

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENT COLLATERAL	
CONVEYING PARTY DATA		
Name		Execution Date
MORGAN STANLEY SENIOR FUNDING, INC.		04/04/2016
RECEIVING PARTY DATA		
Name:	ATMEL CORPORATION	
Street Address:	1600 TECHNOLOGY DRIVE	
City:	SAN JOSE	
State/Country:	CALIFORNIA	
Postal Code:	95110	
PROPERTY NUMBERS Total: 34		
Property Type	Number	
Patent Number:	9013231	
Patent Number:	9298327	
Application Number:	14100225	
Patent Number:	9128577	
Application Number:	14102259	
Patent Number:	9298222	
Application Number:	14137387	
Patent Number:	8942324	
Patent Number:	9140064	
Patent Number:	9229039	
Patent Number:	9224020	
Application Number:	14153295	
Application Number:	14153821	
Patent Number:	9191907	
Patent Number:	9165169	
Patent Number:	8896573	
Application Number:	14171219	
Patent Number:	8965301	
Application Number:	14176619	
Patent Number:	8947391	

PATENT

Property Type	Number
Patent Number:	8947390
Patent Number:	9160587
Application Number:	14196958
Application Number:	14201599
Application Number:	14204949
Application Number:	14254979
Application Number:	14256176
Patent Number:	9246605
Patent Number:	9141227
Application Number:	14268693
Application Number:	14270189
Application Number:	14272648
Application Number:	14272882
Application Number:	14275462

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NAME OF SUBMITTER:	THERESA VOLANO
SIGNATURE:	/Theresa Volano/
DATE SIGNED:	04/07/2016

Total Attachments: 223

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**TERMINATION AND RELEASE OF
SECURITY INTEREST IN PATENT COLLATERAL**

THIS TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENT COLLATERAL (this “Termination and Release”), dated as of April 4, 2016, is executed by MORGAN STANLEY SENIOR FUNDING, INC., as Administrative Agent for the Secured Parties (in such capacity, the “Administrative Agent”), in favor of ATMEL CORPORATION, a Delaware corporation (the “Grantor”). All capitalized terms used in this Termination and Release and not otherwise defined herein shall have the respective meanings given to such terms in the relevant Patent Security Agreement (defined below).

RECITALS

A. Pursuant to (i) the Patent Security Agreement, dated as of December 6, 2013 (the “First Patent Security Agreement”), executed by the Grantor in favor of the Administrative Agent and (ii) the Guarantee and Collateral Agreement, dated as of December 6, 2013 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”), among the Grantor, the subsidiary guarantors party thereto, and the Administrative Agent, the Grantor granted to the Administrative Agent a continuing security interest in all of the Grantor’s right, title and interest in, to and under the following, whether then-owned or existing or thereafter acquired or arising (collectively, the “First Patent Collateral”, but, for the avoidance of doubt, excluding all Excluded Assets (as defined in the Security Agreement)):

a. each Patent (as defined in the Security Agreement) owned by the Grantor, including, without limitation, each Patent referred to in Schedule 1A, Schedule 1B and Schedule 1C hereto;

b. each Patent License (as defined in the Security Agreement) to which the Grantor is a party, including, without limitation, each Patent License identified in Schedule 1A, Schedule 1B and Schedule 1C hereto; and

c. all proceeds of and revenues from the foregoing, including, without limitation, all proceeds of and revenues from any claim by the Grantor against third parties for past, present or future infringement of any Patent owned by the Grantor (including, without limitation, any Patent identified in Schedule 1A, Schedule 1B and Schedule 1C hereto) and all rights and benefits of the Grantor under any Patent License (including, without limitation, any Patent License identified in Schedule 1A, Schedule 1B and Schedule 1C hereto).

B. The First Patent Security Agreement was recorded with the Patent Division of the United States Patent and Trademark Office (i) on January 3, 2014 at Reel/Frame 031912/0173, (ii) on May 15, 2014 at Reel/Frame 032908/0485 and (iii) on November 4, 2014 at Reel/Frame 034160/0563 to evidence the security interest granted under the First Patent Security Agreement.

C. Pursuant to (i) the Patent Security Agreement, dated as of May 13, 2015 (the “Second Patent Security Agreement”), executed by the Grantor in favor of the Administrative Agent and (ii) the Security Agreement, the Grantor granted to the Administrative Agent a continuing security interest in all of the Grantor’s right, title and interest in, to and under the

following, whether then-owned or existing or thereafter acquired or arising (collectively, the “Second Patent Collateral”, but, for the avoidance of doubt, excluding all Excluded Assets (as defined in the Security Agreement)):

a. each Patent (as defined in the Security Agreement) owned by the Grantor, including, without limitation, each Patent referred to in Schedule 2 hereto;

b. each Patent License (as defined in the Security Agreement) to which the Grantor is a party, including, without limitation, each Patent License identified in Schedule 2 hereto; and

c. all proceeds of and revenues from the foregoing, including, without limitation, all proceeds of and revenues from any claim by the Grantor against third parties for past, present or future infringement of any Patent owned by the Grantor (including, without limitation, any Patent identified in Schedule 2 hereto) and all rights and benefits of the Grantor under any Patent License (including, without limitation, any Patent License identified in Schedule 2 hereto).

D. The Second Patent Security Agreement was recorded with the Patent Division of the United States Patent and Trademark Office on June 16, 2015 at Reel/Frame 035918/0451 to evidence the security interest granted under the Second Patent Security Agreement.

E. Pursuant to (i) the Patent Security Agreement, dated as of November 12, 2015 (the “Third Patent Security Agreement”), executed by the Grantor in favor of the Administrative Agent and (ii) the Security Agreement, the Grantor granted to the Administrative Agent a continuing security interest in all of the Grantor’s right, title and interest in, to and under the following, whether then-owned or existing or thereafter acquired or arising (collectively, the “Third Patent Collateral”, but, for the avoidance of doubt, excluding all Excluded Assets (as defined in the Security Agreement)):

a. each Patent (as defined in the Security Agreement) owned by the Grantor, including, without limitation, each Patent referred to in Schedule 3 hereto;

b. each Patent License (as defined in the Security Agreement) to which the Grantor is a party, including, without limitation, each Patent License identified in Schedule 3 hereto; and

c. all proceeds of and revenues from the foregoing, including, without limitation, all proceeds of and revenues from any claim by the Grantor against third parties for past, present or future infringement of any Patent owned by the Grantor (including, without limitation, any Patent identified in Schedule 3 hereto) and all rights and benefits of the Grantor under any Patent License (including, without limitation, any Patent License identified in Schedule 3 hereto).

F. The Third Patent Security Agreement was recorded with the Patent Division of the United States Patent and Trademark Office on November 20, 2015 at Reel/Frame 037150/0363 to evidence the security interest granted under the Third Trademark Security Agreement.

G. The Administrative Agent agrees to terminate and release its security interest in the First Patent Collateral, the Second Patent Collateral and the Third Patent Collateral (collectively, the "Patent Collateral") and to file this Termination and Release with respect to such release of its security interest as herein provided.

AGREEMENT

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged:

1. Release. The Administrative Agent, in each case, without recourse, representation or warranty of any kind whatsoever, hereby (i) acknowledges the satisfaction and termination of the security interests granted under the First Patent Security Agreement, the Second Patent Security Agreement and the Third Patent Security Agreement and (ii) expressly discharges, relinquishes, terminates and releases all of the Administrative Agent's right, title and interest in, to and under the Patent Collateral, including, without limitation, the patents, patent applications and/or patent licenses set forth in Schedule 1A, Schedule 1B, Schedule 1C, Schedule 2 and Schedule 3 hereto. Any such right, title and interest of the Administrative Agent in, to or under the Patent Collateral, if any, shall hereby terminate, cease and become void.

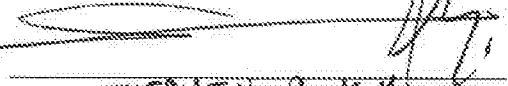
2. Recordation. If necessary or desired, the Administrative Agent hereby authorizes the Grantor (or the Grantor's authorized representative(s)) to record this Termination and Release with the United States Patent and Trademark Office and/or any other applicable governmental office or agency in order to accomplish the release of the Administrative Agent's security interest in the Patent Collateral.

3. Governing Law. This Termination and Release and the rights and obligations of the parties hereto shall be governed by, and construed and interpreted in accordance with, the laws of the State of New York.

[Signature Page Follows]

IN WITNESS WHEREOF, the Administrative Agent has executed and delivered this Termination and Release as of the day and year first above written.

**MORGAN STANLEY SENIOR
FUNDING, INC., as Administrative Agent**

By: 

Name: STEPHEN B. KING

Title: VP

[Signature Page to Termination and Release of Security Interest in Patent Collateral -- Atmel Corporation]

**PATENT
REEL: 038375 FRAME: 0504**

SCHEDULE 1A
TO
TERMINATION AND RELEASE OF SECURITY INTEREST IN
PATENT COLLATERAL

PATENTS AND DESIGN PATENTS

	Patent No.	City	Title	Issue	Expiration (tentative)	Owner(s)	Atmel Ref.
1	5,390,147	US	Core Organization and Sense Amplifier Having Lubricating Current, Active Clamping and Buffered Sense Node for Speed Enhancement	Feb 14, 1995	Mar 2, 2014	Atmel Corp	ATM-055/US
2	5,416,737	US	MOS Memory Unit for Serial Information Processing	May 16, 1995	Feb 10, 2014	Atmel Corp	EU92/01/US/1
3	5,424,227	US	Method of Manufacture of Silicon- Germanium Heterobipolar Transistors	Jun 13, 1995	Jan 6, 2014	Atmel Corp	HN92/57/US/1
4	5,434,815	US	Stress Reduction for a Non-Volatile Memory Cell	Jul 18, 1995	Jan 19, 2014	Atmel Corp	ATM-056/US
5	5,440,151	US	Electrostatic Discharge Protection Device for MOS Integrated Circuits	Aug 8, 1995	Apr 4, 2014	Atmel Corp	NT0-10/US
6	5,440,508	US	Zero Power High Speed Programmable Current Device Architecture	Aug 8, 1995	Feb 9, 2014	Atmel Corp	ATM-062/US
7	5,441,893	US	Device for monitoring the boron content of borophosphosilicate	Aug 15, 1995	Apr 4, 2014	Atmel Corp	NT0-09/US
8	5,442,580	US	Parallel Processing Circuit and a Digital Signal Processor Including Same	Aug 15, 1995	May 25, 2014	Atmel Corp	ATM/TEKN-4900/US

	Patent No.	Ctry	Title	Issue	Examination (month)	Donor(s)	Atmel Ref.
9	5,461,646	US	Synchronization Apparatus for a Diversity Receiver	Oct 24, 1995	Apr 25, 2015	Atmel Corp	ATM/TEKN-4601/US
10	5,468,642	US	Device for monitoring the boron content of borophosphosilicate	Nov 21, 1995	Apr 4, 2014	Atmel Corp	NTO-09/01/US
11	5,473,500	US	Electrostatic Discharge Circuit for High Speed, High Voltage Circuitry	Dec 5, 1995	Jan 13, 2014	Atmel Corp	ATM-060/US
12	5,473,529	US	Circuit arrangement for rectifying an ac voltage signal with a plurality of differential amplifier stages	Dec 5, 1995	Apr 19, 2014	Atmel Corp	HN93/24/US/1
13	5,479,453	US	Wireless Telecommunication Digital Receiver	Dec 26, 1995	Dec 29, 2013	Atmel Corp	ATM/TEKN-4700/US
14	5,493,142	US	Input/Output Transistors with Optimized ESD Protection	Feb 20, 1996	Jan 12, 2014	Atmel Corp	ATM-071/CIA/US
15	5,493,244	US	Breakdown Protection Circuit Using High Voltage Detection	Feb 20, 1996	Jan 13, 2014	Atmel Corp	ATM-061/US
16	5,493,533	US	Dual Differential Trans-Impedance Sense Amplifier and Method	Feb 20, 1996	Sep 28, 2014	Atmel Corp	ATM-059/US
17	5,497,073	US	Constant current source having band- gap reference voltage source	Mar 5, 1996	Dec 20, 2014	Atmel Corp	HN93/58/US/1
18	5,504,931	US	Method and Apparatus for Comparing Data Sets	Apr 2, 1996	May 10, 2015	Atmel Corp	ATM/CON-438,423/US
19	5,515,431	US	Speakerphone Device with Auxiliary Circuit for Eliminating Clicking at Power- On	May 7, 1996	Aug 15, 2014	Atmel Corp	HN93/41/US/1
20	5,541,533	US	Output circuit for integrated circuit	Jul 30, 1996	May 1, 2015	Atmel Corp	NTO-18/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
21	5,541,550	US	Electronic Load Resistor Circuit	Jul 30, 1996	Apr 29, 2014	Atmel Corp	HN93/27/US/1
22	5,553,076	US	Method and Apparatus for a Wireless Local Area Network	Sep 3, 1996	May 2, 2014	Atmel Corp; AT&T	ATM/TEKN-4500/US
23	5,565,810	US	Switch with a First Switching Element in the Form of a Bipolar Transistor	Oct 15, 1996	Apr 7, 2015	Atmel Corp	HN93/15/US/1
24	5,581,579	US	Method and Apparatus to Adaptively Control the Frequency of Reception in a Digital Wireless Communication System	Dec 3, 1996	Sep 1, 2015	Atmel Corp; AT&T	ATM/TEKN-401/US
25	5,583,380	US	Integrated Circuit Contacts with Secured Stringers	Dec 10, 1996	Jul 11, 2015	Atmel Corp	ATM-074/US
26	5,587,951	US	High Speed, Low Voltage Non-Volatile Memory	Dec 24, 1996	Aug 4, 2015	Atmel Corp	ATM-072/US
27	5,594,366	US	Programmable Logic Device with Regional and Universal Signal Routing	Jan 14, 1997	May 4, 2014	Atmel Corp	ATM-064/US
28	5,602,512	US	Comparator of Phase Between a Digital Signal and a Clock Signal, and Corresponding Phase Locked Loop	Feb 11, 1997	Dec 6, 2015	Atmel Corp	NT0-23/US
29	5,602,767	US	Galois Field Polynomial Multiply/Divide Circuit and a Digital Signal Processor Incorporating Same	Feb 11, 1997	Aug 29, 2015	Atmel Corp	ATM/TEKN-540/US
30	5,604,455	US	Transition detection device generating a variable duration pulse	Feb 18, 1997	May 16, 2015	Atmel Corp	NT0-19/US
31	5,606,532	US	EEPROM Array with Flash-Like Core	Feb 25, 1997	Mar 17, 2015	Atmel Corp	ATM-070/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
32	NI-084453	TW	Remotely Re-Programmable Program Memory for a Microcontroller	Mar 1, 1997	Jun 24, 2014	Atmel Corp	ATM-050/TW
33	5,612,514	US	Tab Test Device Device for Area Array Interconnected Chips	Mar 18, 1997	Mar 18, 2014	Atmel Corp	ATM-066/DVA/US
34	5,622,886	US	Method of Making a High Voltage Rectifier for an Integrated Circuit Chip	Apr 22, 1997	Mar 31, 2014	Atmel Corp	ATM-065/COA/US
35	5,633,897	US	Digital Signal Processor Optimized for Decoding a Signal Encoded in Accordance with a Viterbi Algorithm	May 27, 1997	Nov 16, 2015	Atmel Corp	ATM/TEKN-550/US
36	5,666,388	US	Clock recovery circuit with matched oscillators	Sep 9, 1997	Nov 22, 2014	Atmel Corp	NT0-12/US
37	5,679,594	US	Method of Fabricating a Read Only Memory in MOS Technology and Memory Thus Obtained	Oct 21, 1997	Jan 30, 2016	Atmel Corp	NT0-25/US
38	5,680,346	US	High-Speed, Non-Volatile Electrically Programmable and Erasable Cell and Method	Oct 21, 1997	Apr 29, 2014	Atmel Corp	ATM-063/US
39	NI-087528	TW	EEPROM Array with Flash-Like Core	Oct 22, 1997	Mar 7, 2016	Atmel Corp	ATM-070/TW
40	5,682,032	US	Capacitively Coupled Identity Verification and Escort Memory	Oct 28, 1997	Feb 22, 2016	Atmel Corp	P018619QQRG/US
41	5,697,069	US	Transmit-receiver Switch	Dec 9, 1997	Oct 7, 2016	Atmel Corp	P000268/US/1
42	5,703,498	US	Programmable Array Clock/Reset Resource	Dec 30, 1997	Sep 6, 2016	Atmel Corp; IBM Corp	08/709,060/US
43	5,703,588	US	Digital-to-Analog Converter with Dual Resistor String	Dec 30, 1997	Oct 15, 2015	Atmel Corp	ATM-090/US

	Patent No.	C'ty.	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
44	5,717,346	US	Low Skew Multiplexer Network and Programmable Array Clock/Reset Application Thereof	Feb 10, 1998	Sep 6, 2016	Atmel Corp; IBM Corp	08/709,074/US
45	5,730,165	US	Time Domain Capacitive Field Detector	Mar 24, 1998	Dec 26, 2015	Atmel Corp	P016440QRG/US
46	5,731,734	US	Zero Power Fuse Circuit	Mar 24, 1998	Oct 7, 2016	Atmel Corp	ATM-084/US
47	5,732,017	US	Combined Program and Data Nonvolatile Memory with Concurrent Program-Read/Data Write Capability	Mar 24, 1998	Mar 31, 2017	Atmel Corp	ATM-094/US
48	5,732,025	US	Output interfacing device programmable among three states for a memory in CMOS technology	Mar 24, 1998	Jun 10, 2016	Atmel Corp	NT0-28/US
49	5,732,360	US	Mobile Telecommunicating Device and Method of Operation	Mar 24, 1998	Sep 8, 2015	Atmel Corp; AT&T	ATM/TEKN-5100/US
50	5,754,135	US	Device for analog-digital conversion	May 19, 1998	Jul 19, 2016	Atmel Corp	NT0-30/US
51	5,765,185	US	EEPROM Array with Flash-Like Core	Jun 9, 1998	Mar 17, 2015	Atmel Corp	ATM-088/DVA/US
52	5,781,469	US	Bitline Load and Precharge Structure for an SRAM Memory	Jul 14, 1998	Jan 24, 2017	Atmel Corp	ATM-083/US
53	5,783,952	US	Clock Feedthrough Reduction System for Switched Current Memory Cells	Jul 21, 1998	Sep 16, 2016	Atmel Corp	ATM-081/US
54	5,789,941	US	ECL level/CMOS level logic signal interfacing device	Aug 4, 1998	Mar 28, 2016	Atmel Corp	NT0-26/US
55	5,805,061	US	Electronic Flasher Unit for Vehicle Lighting System and Method of Monitoring the Operation Thereof	Sep 8, 1998	Apr 8, 2017	Atmel Corp; Hella KGaA Hueck & Co.	HN97/019/US/1

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
56	5,805,093	US	Oversampled High-Order Modulator	Sep 8, 1998	Jan 14, 2017	Atmel Corp	ATM/FIN-001/US
57	5,805,503	US	Non-Disruptive, Randomly Addressable Memory System	Sep 8, 1998	Jan 3, 2016	Atmel Corp	ATM/CON-582,516/US
58	5,809,327	US	Eight-Bit Microcontroller Having a RISC Architecture	Sep 15, 1998	Mar 27, 2017	Atmel Corp	ATM-092/US
59	5,815,012	US	Voltage to Current Converter for High Frequency Applications	Sep 29, 1998	Aug 2, 2016	Atmel Corp	ATM-078/US
60	5,821,149	US	Method of fabricating a heterobipolar transistor	Oct 13, 1998	Mar 14, 2017	Atmel Corp	HN95/168/US/1
61	5,822,245	US	Dual Buffer Flash Memory Architecture with Multiple Operating Modes	Oct 13, 1998	Mar 26, 2017	Atmel Corp	ATMSP-016/US
62	5,825,214	US	Integrated circuit arrangement with diode characteristic	Oct 20, 1998	Jul 24, 2016	Atmel Corp	HN95/73/US/1
63	5,828,603	US	A memory device having a power supply-independent low power consumption bit line voltage clamp	Oct 27, 1998	Apr 23, 2017	Atmel Corp	ATM-096/US
64	5,828,852	US	Process and Arrangement for Operating a Bus System	Oct 27, 1998	Nov 27, 2015	Infineon, Philips, Atmel Nantes, Immos Ltd, ARM	NTO-15/US
65	5,848,026	US	Integrated Circuit with Flag Register for Block Selection of Non-Volatile Cells for Bulk Operations	Dec 8, 1998	Dec 8, 2017	Atmel Corp	ATM-110/US
66	5,854,939	US	Eight-Bit Microcontroller Having a RISC Architecture	Dec 29, 1998	Nov 7, 2016	Atmel Corp	ATM-087/US

	Patent No.	C'try	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
67	5,877,639	US	Generator of Electronic Duration and Frequency Programmable Pulses	Mar 2, 1999	Jul 3, 2017	Atmel Corp	NTO-36/US
68	5,880,600	US	Device for interfacing logic signals from the LLL level to the TTL and CMOS level	Mar 9, 1999	Sep 25, 2015	Atmel Corp	NTO-22/US
69	5,892,435	US	Triggering process for passive safety devices in vehicles	Apr 6, 1999	May 13, 2017	Atmel Corp	HN95/172/US/1
70	NI-102204	TW	Eight-Bit Microcontroller Having a RISC Architecture	Apr 10, 1999	Nov 7, 2017	Atmel Corp	ATM-087/TW
71	5,894,565	US	Field Programmable Gate Array with Distributed RAM and Increased Cell Utilization	Apr 13, 1999	May 20, 2016	Atmel Corp	ATM-077/US
72	5,898,605	US	Apparatus and Method for Simplified Analog Signal Record and Playback	Apr 27, 1999	Jul 17, 2017	Atmel Corp	ATMSP-017/US
73	5,911,120	US	Wireless Communications System	Jun 8, 1999	Sep 8, 2015	Atmel Corp; AT&T	ATM/ATT-001/US
74	47,833	CN	Remotely Re-Programmable Program Memory for a Microcontroller	Jun 26, 1999	Jun 8, 2014	Atmel Corp	ATM-050/CN
75	5,930,697	US	Heterodyne receiver with synchronous demodulation for receiving time signals	Jul 27, 1999	Jun 10, 2016	Atmel Corp	HN95/41/US/1
76	5,931,956	US	Digital Circuit Using Memory for Monitoring Signals for Occurrences of Predefined Breakpoint Conditions	Aug 3, 1999	Jun 10, 2017	Atmel Corp	ATM/TEKN-580/US
77	5,936,444	US	Zero Power Power-On-Reset Circuit	Aug 10, 1999	Nov 25, 2017	Atmel Corp	ATM-106/US
78	5,939,910	US	Digital Device for Initializing an Integrated Circuit	Aug 17, 1999	Dec 19, 2017	Atmel Corp	NTO-37/US

	Patent No.	Ctry	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
79	NI-106457	TW	Eight-Bit Microcontroller Having a RISC Architecture	Aug 21, 1999	Mar 26, 2018	Atmel Corp	ATM-092/TW
80	5,944,826	US	Integrated Circuit Layout Complete with a Bus Logic Unit Connected to a Data Bus with Power Reduction Circuitry	Aug 31, 1999	Feb 25, 2017	Atmel Corp	HN95/77/US/1
81	5,945,920	US	Minimum Voltage Radio Frequency Identification	Aug 31, 1999	Dec 10, 2017	Atmel Corp	ATM-100/US
82	5,946,219	US	Method and System for Configuring an Array of Logic Devices	Aug 31, 1999	Oct 30, 2016	Atmel Corp	ATM-085/US
83	5,946,267	US	Zero Power High Speed Configuration Memory	Aug 31, 1999	Nov 25, 2017	Atmel Corp	ATM-104/US
84	5,949,259	US	Zero-Delay Slew-Rate Controlled Output Buffer	Sep 7, 1999	Nov 19, 2017	Atmel Corp	ATM-111/US
85	5,949,274	US	High Impedance Bias Circuit for AC Signal Amplifiers	Sep 7, 1999	Sep 23, 2017	Atmel Corp	ATM-098/US
86	5,963,496	US	Sense Amplifier with Zero Power Idle Mode	Oct 5, 1999	Apr 22, 2018	Atmel Corp	ATM-105/US
87	5,968,196	US	Configuration Control in a Programmable Logic Device Using Non-Volatile Memories	Oct 19, 1999	Apr 21, 2018	Atmel Corp	ATM-117/US
88	5,972,724	US	Process for reducing the surface recombination speed in silicon	Oct 26, 1999	Sep 12, 2015	Atmel Corp	HN94/67/US/1
89	5,973,513	US	Integrated circuit arrangement with an open-collector transistor designed as npn transistor	Oct 26, 1999	May 7, 2017	Atmel Corp	HN96/055/US/1
90	5,974,486	US	Universal Serial Bus Device Controller Comprising a FIFO Associated With a Plurality of Endpoints and a Memory for Storing an Identifier of a Current Endpoint	Oct 26, 1999	Aug 12, 2017	Atmel Corp	ATM-101/US

	Patent No.	C'ty	Title	Issue	Examination (month)	Donor(s)	Atmel Ref.
91	5,974,500	US	Programmable Access Protection in a Memory Device	Oct 26, 1999	Nov 14, 2017	Atmel Corp; Lenovo Corp	ATM-095/US
92	5,977,805	US	Frequency Synthesis Circuit Tuned by Digital Words	Nov 2, 1999	Jan 21, 2018	Atmel Corp	ATM-115/US
93	5,978,822	US	Circuit for Rotating, Left Shifting, or Right Shifting Bits	Nov 2, 1999	Dec 29, 2015	Atmel Corp	ATM/TEKN-630/US
94	5,991,519	US	Secure Memory Having Multiple Security Levels	Nov 23, 1999	Oct 3, 2017	Atmel Corp	ATMSP-018/US
95	5,998,983	US	Device for generating a DC reference voltage	Dec 7, 1999	Dec 9, 2018	Atmel Corp	NT0-40/US
96	5,999,038	US	Fuse circuit having zero power draw for partially blown condition	Dec 7, 1999	Sep 24, 2018	Atmel Corp	ATM-132/US
97	6,004,833	US	Leadless Array Package	Dec 21, 1999	Apr 21, 2018	Atmel Corp; Amkor Corp	ATM-143/DVA/US
98	6,014,509	US	Field Programmable Gate Array Having Access to Orthogonal and Diagonal Adjacent Neighboring Cells	Jan 11, 2000	May 20, 2016	Atmel Corp	ATM-112/DVA/US
99	6,026,227	US	FPGA Logic Cell Internal Structure Including Pair of Lookup Tables	Feb 15, 2000	May 20, 2016	Atmel Corp	ATM-113/DVB/US
100	6,026,421	US	Apparatus for Multiprecision Integer Arithmetic	Feb 15, 2000	Nov 26, 2017	Atmel Corp	ATM-269/US
101	6,028,491	US	Crystal Oscillator with Controlled Duty Cycle	Feb 22, 2000	Apr 29, 2018	Atmel Corp	ATM-097/US
102	6,028,512	US	Electronic Blinker	Feb 22, 2000	Apr 15, 2019	Atmel Corp	HN97/131/US/1
103	6,029,187	US	Fast Regular Multiplier Architecture	Feb 22, 2000	Oct 28, 2017	Atmel Corp	ATM-108/US

	Patent No.	C'ty	Title	Issue	Examination (month)	Donor(s)	Atmel Ref.
104	6,032,248	US	A Microcontroller Having a Single Memory Module Storing Data Memory and Code Memory and Supporting Independent Read/Write Access to Both	Feb 29, 2000	Apr 29, 2018	Atmel Corp	ATM-080/US
105	6,032,279	US	Boundary Scan System With Address Dependent Instructions	Feb 29, 2000	Nov 7, 2017	Atmel Corp	ATM-102/US
106	6,038,185	US	Method and Apparatus for Serial Access Memory	Mar 14, 2000	May 12, 2018	Atmel Corp	ATM-118/US
107	6,046,676	US	A Self Powered Electronic Memory Identification Tag with Dual Communication Ports	Apr 4, 2000	Nov 14, 2017	Atmel Corp; IBM Corp	ATM-121/US
108	2,307,783	GB	Enhanced Security Semiconductor Device, Semiconductor Circuit Arrangement, and Method of Production Thereof	Apr 5, 2000	Sep 30, 2015	Atmel Corp	ATM/MOT-001-L/GB
109	2,321,744	GB	Portable Data Carrier and Method for Selecting Operating Mode Thereof	May 17, 2000	Jan 30, 2017	Atmel Corp	ATM/MOT-003-L/GB
110	6,070,130	US	Method for Testing a Large Quantity of Products	May 30, 2000	Aug 7, 2017	Atmel Corp	HN96/070/US/1
111	19860152	DE	Verfahren zur Erkennung von Lackverbrennungen	Jun 15, 2000	Dec 24, 2018	Atmel Corp	HN98/129/DE/3-LR
112	6,088,268	US	Flash Memory Array with Internal Refresh	Jul 11, 2000	Sep 17, 2018	Atmel Corp	ATMSP-021/US
113	RE36777	US	Integration of a High Performance Submicron CMOS and Dual-Poly Non-Volatile Memory Devices Using a Third Polysilicon Layer	Jul 11, 2000	Oct 7, 2018	Atmel Corp	ATM-138/REI/US
114	6,094,724	US	Secure Memory Having Anti-Wire Tapping	Jul 25, 2000	Nov 26, 2017	Atmel Corp	ATMSP-019/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
115	6,097,657	US	Method for Reading Out the Contents of a Serial Memory	Aug 1, 2000	May 12, 2018	Atmel Corp	ATM-166/DVA/US
116	6,104,279	US	Method of Communicating Between a Plurality of Remote Units and a Control Unit	Aug 15, 2000	Mar 23, 2018	Atmel Corp	ATM-124/US
117	6,111,432	US	Symmetric Adapter Unit for Switching a Logic Signal	Aug 29, 2000	Aug 10, 2018	Atmel Corp	NTO-39/US
118	0 855 071	NL	Enhanced Security Semiconductor Device, Semiconductor Circuit Arrangement, and Method of Production Thereof	Aug 30, 2000	Sep 19, 2016	Atmel Corp	ATM/MOT-001-L/NL
119	0 855 071	IT	Enhanced Security Semiconductor Device, Semiconductor Circuit Arrangement, and Method of Production Thereof	Aug 30, 2000	Sep 19, 2016	Atmel Corp	ATM/MOT-001-L/IT
120	0 855 071	FR	Enhanced Security Semiconductor Device, Semiconductor Circuit Arrangement, and Method of Production Thereof	Aug 30, 2000	Sep 19, 2016	Atmel Corp	ATM/MOT-001-L/FR
121	0 855 071	DE	Enhanced Security Semiconductor Device, Semiconductor Circuit Arrangement, and Method of Production Thereof	Aug 30, 2000	Sep 19, 2016	Atmel Corp	ATM/MOT-001-L/DE
122	6,114,875	US	Circuit for converting analogue levels	Sep 5, 2000	Mar 12, 2018	Atmel Corp	NTO-38/US
123	6,115,305	US	Method and Apparatus for Testing a Video Display Chip	Sep 5, 2000	Jun 15, 2019	Atmel Corp	ATM-128/US
124	6,115,659	US	Triggering process for passive safety devices in vehicles	Sep 5, 2000	May 13, 2017	Atmel Corp	HN95/172/US/1

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
125	6,118,705	US	Page Mode Erase in a Flash Memory Array	Sep 12, 2000	Mar 13, 2018	Atmel Corp	ATMSP-020/US
126	6,122,331	US	Digital Automatic Gain Control	Sep 19, 2000	Jun 14, 2019	Atmel Corp	ATM-120/US
127	6,138,918	US	Portable Data Carrier and Method for Selecting Operating Mode Thereof	Oct 31, 2000	Jan 22, 2018	Atmel Corp	ATM/MOT-003-L/US
128	6,140,993	US	Circuit for Transferring High Voltage Video Signal Without Signal Loss	Oct 31, 2000	Jun 16, 2018	Atmel Corp	ATM-126/US
129	6,154,077	US	Bistable flip-flop	Nov 28, 2000	Nov 9, 2018	Atmel Corp	H N97/109/US/1
130	6,154,161	US	Integrated Audio Mixer	Nov 28, 2000	Oct 7, 2018	Atmel Corp	ATM-093/US
131	6,158,034	US	Boundary Scan Method for Terminating or Modifying Integrated Circuit Operating Modes	Dec 5, 2000	Dec 3, 2018	Atmel Corp	ATM-116/US
132	6,160,443	US	Dual Automatic Gain Control in a QAM Demodulator	Dec 12, 2000	Sep 8, 2019	Atmel Corp	ATM-150/US
133	6,166,959	US	Flash Memory Array with Internal Refresh	Dec 26, 2000	Sep 17, 2018	Atmel Corp	ATMSP-002/COA/US
134	6,167,559	US	FPGA structure having main, column and sector clock lines	Dec 26, 2000	May 20, 2016	Atmel Corp	ATM-130/DVC/US
135	6,177,722	US	Leadless Array Package	Jan 23, 2001	Apr 21, 2018	Atmel Corp; Amkor Corp	ATM-114/US
136	6,188,228	US	Hammer Having Integral Stud and Mains Sensor	Feb 13, 2001	Nov 6, 2018	Atmel Corp	P018326QRG/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
137	6,188,970	US	Method of Calibrating a Multistage Selective Amplifier	Feb 13, 2001	Sep 17, 2018	Atmel Corp; Harman Becker Auto Sy GmbH	HN96/073/US/1
138	NI-127955	TW	A Microcontroller Having a Single Memory Module Storing Data Memory and Code Memory and Supporting Independent Read/Write Access to Both	Mar 11, 2001	Apr 1, 2019	Atmel Corp	ATM-080/TW
139	6,209,016	US	Co-Processor for Performing Modular Multiplication	Mar 27, 2001	Oct 22, 2017	Atmel Corp	ATM/MOT-005-L/US
140	6,215,432	US	Reducing Digital Switching Noise in Mixed Signal IC's	Apr 10, 2001	Mar 4, 2019	Atmel Corp	ATM-131/US
141	6,218,729	US	Apparatus and Method for an Integrated Circuit Having High Q Reactive Components	Apr 17, 2001	Mar 11, 2019	Atmel Corp	ATM-146/US
142	NI-130407	TW	Zero Power High Speed Configuration Memory	Apr 21, 2001	Nov 25, 2018	Atmel Corp	ATM-104/TW
143	6,232,591	US	Light Detection Device	May 15, 2001	Nov 3, 2017	Atmel Corp	ATM/MOT-006-L/US
144	132335	TW	Method of Forming Interconnects Using Selective Deposition	May 28, 2001	Sep 16, 2019	Atmel Corp	ATM-135/TW
145	202,427	MX	Mobile Telecommunicating Device and Method of Operation	Jun 15, 2001	Aug 30, 2016	Atmel Corp; AT&T	ATM/TEKN-5100/MX
146	202,428	MX	A Mobile Telecommunicating Device and Method of Operation	Jun 15, 2001	Aug 30, 2016	Atmel Corp; AT&T	ATM/ATT-001/MX
147	6,249,179	US	Direct Digital Synthesis in a QAM Demodulator	Jun 19, 2001	Sep 8, 2019	Atmel Corp	ATM-152/CID/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Examiner(s)	Atmel Ref.
148	6,249,180	US	Phase Noise and Additive Noise Estimation in a QAM Demodulator	Jun 19, 2001	Sep 8, 2019	Atmel Corp	ATM-154/CIA/US
149	700,541	IT	Process and Arrangement for Operating a Bus System	Jun 20, 2001	May 26, 2014	Infineon, Philips, Atmel Nantes, Immos Ltd, ARM	NTO-15/IT
150	700,541	GB	Process and Arrangement for Operating a Bus System	Jun 20, 2001	May 26, 2014	Infineon, Philips, Atmel Nantes, Immos Ltd, ARM	NTO-15/GB
151	700,541	FR	Process and Arrangement for Operating a Bus System	Jun 20, 2001	May 26, 2014	Infineon, Philips, Atmel Nantes, Immos Ltd, ARM	NTO-15/FR
152	700541	DE	Process and Arrangement for Operating a Bus System	Jun 20, 2001	May 26, 2014	Infineon, Philips, Atmel Nantes, Immos Ltd, ARM	NTO-15/DE
153	6,268,767	US	Dual Bit Error Rate Estimation in a QAM Demodulator	Jul 31, 2001	Sep 8, 2019	Atmel Corp	ATM-155/CIB/US
154	6,269,383	US	Apparatus for Integer Arithmetic	Jul 31, 2001	Nov 26, 2017	Atmel Corp	ATM-270/DVA/US
155	6,272,321	US	Method for Tuning an Oscillating Receiver Circuit of a Transponder Built into a RFID System	Aug 7, 2001	Sep 13, 2017	Atmel Corp	P303477/US/1
156	6,272,451	US	Software Tool to Allow Field Programmable System Level Devices	Aug 7, 2001	Jul 16, 2019	Atmel Corp	ATM-271/US
157	6,272,657	US	Apparatus and Method for Programmable Parametric Toggle Testing of Digital CMOS Pads	Aug 7, 2001	Oct 19, 2019	Atmel Corp	ATM-144/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
158	6,288,707	US	Capacitive Position Sensor	Sep 11, 2001	Jan 25, 2019	Atmel Corp	P018699QRG/US
159	6,289,055	US	Method for Transmitting Digital Signals	Sep 11, 2001	Apr 5, 2019	Atmel Corp	HN97/085/US/1
160	6,291,367	US	Method for Depositing a Selected Thickness of an Interlevel Dielectric Material to Achieve Optimum Global Planarity on a Semiconductor Wafer	Sep 18, 2001	Jun 1, 2020	Atmel Corp	ATM-172/US
161	6,292,021	US	FPGA Structure Having Main, Column and Sector Reset Lines	Sep 18, 2001	May 20, 2016	Atmel Corp	ATM-190/DVA/US
162	NI-144861	TW	Method and Apparatus for Serial Access Memory	Nov 21, 2001	May 11, 2019	Atmel Corp	ATM-118/TW
163	6,331,784	US	Secure Programmable Logic Device	Dec 18, 2001	Jul 28, 2020	Atmel Corp	ATM-187/US
164	696 18 604.7	DE	Mobile Telecommunicating Device and Method of Operation	Jan 16, 2002	Aug 30, 2016	Atmel Corp; AT&T	ATM/TEKN-5100/DE
165	6,340,642	US	Process for manufacturing a silicon semiconductor device having a reduced surface recombination velocity	Jan 22, 2002	Sep 12, 2015	Atmel Corp	HN94/67/US/2
166	6,344,401	US	Method of Forming a Stacked-Die Integrated Circuit Chip Package on a Wafer Level	Feb 5, 2002	Mar 9, 2020	Atmel Corp	ATM-171/US
167	6,346,903	US	Controlled Analogue Driver System	Feb 12, 2002	Nov 13, 2020	Atmel Corp	NTO-45/US
168	6,354,500	US	Method for Communicating with a Plurality of Contactless Data Carriers and Contactless Data Carriers for Use Therein	Mar 12, 2002	Nov 3, 2017	Atmel Corp	ATM/MOT-002-L/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
169	6,356,987	US	Microprocessing Device Having Programmable Wait States	Mar 12, 2002	Mar 10, 2019	Atmel Corp	ATM-140/US
170	6,359,810	US	Page Mode Erase in Flash Memory Array	Mar 19, 2002	Apr 4, 2020	Atmel Corp	ATMSP-001/US
171	6,366,164	US	Integrated Circuit Layout for LF Signal Acquisition in the Case of Contactless Data Transmission	Apr 2, 2002	Nov 20, 2020	Atmel Corp	HN98/061/US/1
172	6,376,914	US	Dual-Die Integrated Circuit Package	Apr 23, 2002	Dec 9, 2019	Atmel Corp	ATM-159/US
173	6,400,611	US	Independent Asynchronous Boot Block for Synchronous Non-Volatile Memory Devices	Jun 4, 2002	Mar 23, 2021	Atmel Corp	ATM-195/US
174	6,404,217	US	Enhanced Security Semiconductor Device, Semiconductor Circuit Arrangement, and Method of Production Thereof	Jun 11, 2002	Sep 19, 2016	Atmel Corp	ATM/MOT-001-L/US
175	NI-157147	TW	Reducing Digital Switching Noise in Mixed Signal IC's	Jun 11, 2002	Mar 3, 2020	Atmel Corp	ATM-131/TW
176	6,414,617	US	Digital-to-Analogue Converter	Jul 2, 2002	Sep 21, 2020	Atmel Corp	NT0-43/US
177	6,426,692	US	Data transfer method for a scanning identification system	Jul 30, 2002	Sep 13, 2017	Atmel Corp	P303476/US/1
178	2,231,370	CA	Mobile Telecommunicating Device and Method of Operation	Jul 30, 2002	Aug 30, 2016	Atmel Corp; AT&T	ATM/TEKN-5100/CA
179	6,452,514	US	Capacitive Sensor and Array	Sep 17, 2002	Jan 26, 2020	Atmel Corp	P017910QQRG/US
180	6,466,036	US	Charge Transfer Capacitance Measurement Circuit	Oct 15, 2002	Sep 7, 2019	Atmel Corp	P017601QQRG/US

	Patent No.	C'ty	Title	Issue	Examination (month)	Donor(s)	Atmel Ref.
181	6,476,785	US	Drive Circuit for Liquid Crystal Display Cell	Nov 5, 2002	Nov 8, 2019	Atmel Corp	ATM-127/US
182	6,480,099	US	Modulation Method for Data Transmission From a Transponder to a Read-Write Device	Nov 12, 2002	Oct 14, 2018	Atmel Corp	HN97/016/US/1
183	698 09 464.6	DE	Apparatus and Method for Simplified Analog Signal Record and Playback	Nov 13, 2002	Jul 17, 2018	Atmel Corp	ATMSP-017/DE
184	6,483,729	US	Master-Slave Power Feeding for Serial Connection Links	Nov 19, 2002	Feb 8, 2022	Atmel Corp	NT0-50-L/US
185	6,510,517	US	Method of Cryptological Authentication in a Scanning Identification System	Jan 21, 2003	Sep 13, 2017	Atmel Corp	P303478/US/1
186	6,518,798	US	Sense Amplifier with Improved Latching	Feb 11, 2003	Jun 7, 2021	Atmel Corp	ATM-196/US
187	6,535,200	US	Capacitive Position Sensor	Mar 18, 2003	Jan 25, 2019	Atmel Corp	P018699QRG/DVA/US
188	6,537,895	US	Method of Forming Shallow Trench Isolation in Silicon	Mar 25, 2003	Mar 25, 2020	Atmel Corp	ATM-162/US
189	6,541,284	US	Integrated IC Chip Package for Electronic Image Sensor Die	Apr 1, 2003	May 23, 2020	Atmel Corp	ATM-202/DVA/US
190	6,545,532	US	Timing Recovery Circuit in a QAM Demodulator	Apr 8, 2003	Sep 8, 2019	Atmel Corp	ATM-153/CIC/US
191	698 14 590.9	DE	Zero Power High Speed Configuration Memory	May 14, 2003	Nov 19, 2018	Atmel Corp	ATM-104/DE
192	6,569,773	US	Method for anisotropic plasma - chemical dry etching of silicon nitride layers using a gas mixture containing fluorine	May 27, 2003	Dec 17, 2019	Atmel Corp	HN98/072/US/1

	Patent No.	C'ty	Title	Issue	Examination (month)	Donor(s)	Atmel Ref.
193	600 03 164.0	DE	Reducing Digital Switching Noise in Mixed Signal IC's	Jun 4, 2003	Feb 29, 2020	Atmel Corp	ATM-131/DE
194	6,577,008	US	Metal Redistribution Layer Having Solderable Pads and Wire Bondable Pads	Jun 10, 2003	Nov 5, 2019	Atmel Corp	ATM-203/DVA/US
195	2,820,923	FR	Alimentation Asservie Pour Liaison Serie, de Type Maitre Esclave	Jun 13, 2003	Feb 9, 2021	Atmel Corp	NT0-50-L/FR
196	6,593,824	US	Process for reducing the decay and transient times of oscillating circuits	Jul 15, 2003	Apr 26, 2021	Atmel Corp	P303311/US/1
197	6,596,604	US	Method of Preventing Shift of Global Alignment Marks During Rapid Thermal Processing	Jul 22, 2003	Jul 22, 2022	Atmel Corp	ATM-208/US
198	6,597,603	US	Dual Mode High Voltage Power Supply for Providing Increased Speed in Programming During Testing of Low Voltage Non-Volatile Memories	Jul 22, 2003	Nov 6, 2021	Atmel Corp	ATM-199/US
199	6,597,749	US	Digital Frequency Monitoring	Jul 22, 2003	Nov 19, 2019	Atmel Corp	ATM-147-L/US
200	ZL97199485.4	CN	Eight-Bit Microcontroller Having a RISC Architecture	Jul 23, 2003	Oct 30, 2017	Atmel Corp	ATM-087/CN
201	6,600,789	US	Signal Processing Method and Device	Jul 29, 2003	Aug 26, 2018	Atmel Corp	ATM/FIN-003/US
202	6,608,787	US	Single-Ended Current Sense Amplifier	Aug 19, 2003	Apr 11, 2022	Atmel Corp	ATM-211/US
203	699 10 705.9	DE	Method and Device for Convolutional Encoding and Transmission by Packets of a Digital Data Series Flow, and Corresponding Decoding Method and Device	Aug 27, 2003	Jul 22, 2019	Atmel Corp	NT0-41/DE

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
204	98809241.7	CN	Apparatus and Method for Simplified Analog Signal Record and Playback	Sep 3, 2003	Jul 17, 2018	Atmel Corp	ATMSP-017/CN
205	6,618,289	US	High Voltage Bit/Column Latch for VCC Operation	Sep 9, 2003	Oct 29, 2021	Atmel Corp	ATM-188/US
206	ZL98803701.7	CN	Eight-Bit Microcontroller Having a RISC Architecture	Sep 10, 2003	Mar 13, 2018	Atmel Corp	ATM-092/CN
207	6,624,027	US	Ultra Small Thin Windows in Floating Gate Transistors Defined by Lost Nitride Spacers	Sep 23, 2003	May 9, 2022	Atmel Corp	ATM-212/US
208	6,624,029	US	Method of Fabricating a Self-Aligned Non-Volatile Memory Cell	Sep 23, 2003	Nov 30, 2020	Atmel Corp	ATM-209/CIA/US
209	0 664 046	FR	Remotely Re-Programmable Program Memory for a Microcontroller	Nov 12, 2003	Jun 8, 2014	Atmel Corp	ATM-050/FR
210	694 33 320.4	DE	Remotely Re-Programmable Program Memory for a Microcontroller	Nov 12, 2003	Jun 8, 2014	Atmel Corp	ATM-050/DE
211	6,650,175	US	Precise reference voltage generating device	Nov 18, 2003	Apr 19, 2022	Atmel Corp	NTO-51/US
212	6,678,646	US	Method for Implementing a Physical Design for a Dynamically Reconfigurable Logic Circuit	Jan 13, 2004	Feb 14, 2019	Atmel Corp	ATM-164/US
213	10138218	DE	Verfahren zur Ubertragung von Daten	Jan 22, 2004	Aug 3, 2021	Atmel Corp	P303667/DE/3-LR
214	6,683,914	US	Method for convolutive encoding and transmission by packets of a digital data series flow, and corresponding decoding method device	Jan 27, 2004	Jul 28, 2019	Atmel Corp	NTO-41/US
215	6,690,059	US	Nanocrystal Electron Device	Feb 10, 2004	Aug 22, 2022	Atmel Corp	ATM-223/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
216	NI-195920	TW	Microprocessor for Executing Byte Compiled Java Code	Feb 11, 2004	Apr 17, 2022	Atmel Corp	ATM-198/TW
217	6,694,463	US	Input/Output Continuity Test Mode Circuit	Feb 17, 2004	Jan 16, 2021	Atmel Corp	ATM-191/US
218	903852	DE	Verfahren Zum Abgleich Eines Mehrstufigen Selektiven Verstaerkers	Feb 18, 2004	Sep 2, 2018	Atmel Corp; Harman Becker Auto Sy GmbH	HN96/073/DE/2-LR
219	2,832,509	FR	Detecteur de surcharge pour convertisseur de tension continue, composant et dispositif correspondants.	Feb 27, 2004	Nov 19, 2021	Atmel Corp	NT0-52-L/FR
220	6,700,415	US	Sense Amplifier with Configurable Voltage Swing Control	Mar 2, 2004	Jun 7, 2021	Atmel Corp	ATM-197/CIA/US
221	6,709,990	US	A Method for Fabrication of a High Capacitance Interpoly Dielectric	Mar 23, 2004	Mar 28, 2021	Atmel Corp	ATM-235/DVA/US
222	6,724,241	US	Variable Charge Pump Circuit with Dynamic Load	Apr 20, 2004	Jan 27, 2023	Atmel Corp	ATM-234/US
223	698 23 417.0	DE	Circuit Convertisseur de Niveaux Analogiques	Apr 28, 2004	Mar 12, 2018	Atmel Corp	NT0-38/DE
224	6,734,701	US	A Fast Controlled Output Buffer	May 11, 2004	Dec 18, 2022	Atmel Corp	ATMSP-008/US
225	6,735,181	US	Wireless Transceiver with Subtractive Filter Compensating Both Transmit and Receive Artifacts	May 11, 2004	Jun 26, 2020	Atmel Corp	ATM-174/US
226	6,735,432	US	Cordless Cellular System	May 11, 2004	Nov 4, 2018	Atmel Corp; AT&T	ATM/ATT-002/US
227	6,744,291	US	Power-On Reset Circuit	Jun 1, 2004	Aug 30, 2022	Atmel Corp	ATM-225/US

	Patent No.	Country	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
228	6,746,881	US	Method and Device for Controlling the Thickness of a Layer of an Integrated Circuit in Real Time	Jun 8, 2004	May 12, 2021	Atmel Corp	NTO-47/US
229	6,753,713	US	System and Method for Expanding a Pulse Width	Jun 22, 2004	Mar 3, 2023	Atmel Corp	ATM-236/US
230	6,762,117	US	Metal Redistribution Layer Having Solderable Pads and Wire Bondable Pads	Jul 13, 2004	Nov 5, 2019	Atmel Corp	ATM-245/DVA/US
231	6,765,433	US	Low Power Implementation For Input Signals of Integrated Circuits	Jul 20, 2004	Mar 20, 2023	Atmel Corp	ATM-242/US
232	6,766,439	US	Apparatus and Method for Dynamic Program Decompression	Jul 20, 2004	Dec 24, 2022	Atmel Corp	ATM-215/US
233	6,768,333	US	Test Circuit for Input-to-Output Speed Measurement	Jul 27, 2004	May 13, 2023	Atmel Corp	ATM-251/US
234	6,771,200	US	DAC-based voltage regulator for flash memory array	Aug 3, 2004	Apr 3, 2023	Atmel Corp	ATMSP-004/US
235	6,774,711	US	Low Power Bandgap Voltage Reference Circuit	Aug 10, 2004	Nov 15, 2022	Atmel Corp	ATM-210/US
236	6,778,096	US	Method and Apparatus for Deploying and Tracking Computers	Aug 17, 2004	Nov 17, 2017	Atmel Corp; Lenovo Corp	040817CSO/US
237	6,780,713	US	Process for Manufacturing a DMOS Transistor	Aug 24, 2004	Jun 11, 2022	Atmel Corp	P303632/US/1
238	6,785,183	US	A System for Controlling the Stand-By to Active and Active to Stand-By Transitions of a VCC Regulator for a Flash Memory Device	Aug 31, 2004	Apr 3, 2023	Atmel Corp	ATMSP-011/US
239	6,791,355	US	Spare Cell Architecture for Fixing Design Errors in Manufactured Integrated Circuits	Sep 14, 2004	Jan 27, 2023	Atmel Corp	ATM-200/US

	Patent No.	C'ty.	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
240	6,792,065	US	Method for Counting Beyond Endurance Limitations of Non-Volatile Memories	Sep 14, 2004	Jan 21, 2023	Atmel Corp	ATM-227/US
241	2,231,255	CA	Wireless Communications System	Sep 14, 2004	Aug 30, 2016	Atmel Corp; AT&T	ATM/ATT-001/DVA/CA
242	6,793,144	US	Means for Communicating With USB Smart Cards Using Full-Speed or High-Speed Transfers	Sep 21, 2004	Apr 10, 2023	Atmel Corp	ATM-241-L/US
243	6,794,927	US	Modular Charge Pump Architecture	Sep 21, 2004	Dec 24, 2022	Atmel Corp	ATM-229/US
244	6,803,751	US	Power Supply Controller for Electronic Circuits, Components and Corresponding Devices	Oct 12, 2004	Oct 24, 2022	Atmel Corp	NT0-53/US
245	6,804,148	US	A Flash Memory Architecture With Page Mode Erase Using NMOS and PMOS Row Decoding Scheme	Oct 12, 2004	Jan 27, 2023	Atmel Corp	ATM-230/US
246	ZL99806066.6	CN	Method and Apparatus for Serial Access Memory	Oct 13, 2004	Apr 9, 2019	Atmel Corp	ATM-118/CN
247	6,806,749	US	Circuit Arrangement and Method for Generating a Time-Limited Signal	Oct 19, 2004	Sep 12, 2022	Atmel Corp	P303761/US/1
248	6,809,550	US	High Speed Zero DC Power Programmable Logic Device (PLD) Architecture	Oct 26, 2004	Sep 20, 2022	Atmel Corp	ATM-216/US
249	6,809,575	US	A New Temperature Compensated Current Reference	Oct 26, 2004	Apr 3, 2023	Atmel Corp	ATMSP-009/US
250	600 15 494.7	DE	Convertisseur Numerique/Analogique Autoprogrammable a Execution Immediate	Nov 3, 2004	Sep 21, 2020	Atmel Corp	NT0-43/DE
251	6,815,992	US	Circuit for Testing and Fine Tuning Integrated Circuit (Switch Control Circuit)	Nov 9, 2004	Jun 25, 2023	Atmel Corp	ATM-255/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
252	6,822,285	US	EEPROM With Multi-Member Floating Gate	Nov 23, 2004	Jul 31, 2023	Atmel Corp	ATM-260/US
253	6,822,521	US	Oscillating Circuit with Reduced Decay and Transient Times	Nov 23, 2004	Apr 26, 2021	Atmel Corp	P303311/US/2
254	6,828,212	US	A Method of Forming Shallow Trench Isolation Structure in a Semiconductor Device	Dec 7, 2004	Oct 22, 2022	Atmel Corp	ATM-222/US
255	6,828,834	US	Power-on Management for Voltage Down-Converter	Dec 7, 2004	Dec 24, 2022	Atmel Corp	ATM-231/US
256	6,831,325	US	Multi-Level Memory Cell With Lateral Floating Spacers	Dec 14, 2004	Dec 20, 2022	Atmel Corp	ATM-233/US
257	6,831,499	US	A New Negative Pump with Optimized Bulk Biasing	Dec 14, 2004	Apr 3, 2023	Atmel Corp	ATMSP-010/US
258	ZL98801983.3	CN	Zero Power High Speed Configuration Memory	Dec 15, 2004	Nov 19, 2018	Atmel Corp	ATM-104/CN
259	6,841,823	US	Self-Aligned Non-Volatile Memory Cell	Jan 11, 2005	Nov 30, 2020	Atmel Corp	ATM-204/DVA/US
260	6,842,493	US	Procedure for Increasing the Manipulation Security for a Bi-Directional Contactless Data Transmission	Jan 11, 2005	Dec 11, 2020	Atmel Corp	P303310/US/1
261	6,846,709	US	Vertical Gate CMOS with Lithography Independent Gate Length	Jan 25, 2005	Oct 6, 2023	Atmel Corp	ATM-296/CIA/US
262	6,859,391	US	EEPROM Architecture and Programming Protocol	Feb 2, 2005	Dec 15, 2023	Atmel Corp	ATM-248/US
263	2,321,957	CA	Wireless Communication System Having Mobile Stations Establish a Communication Link Through the Base Station	Feb 8, 2005	Aug 30, 2016	Atmel Corp; AT&T	ATM/ATT-001/CA

	Patent No.	C'ty	Title	Issue	Expiration (estimated)	Donor(s)	Atmel Ref.
264	6,856,557	US	Signal Integrity Checking Circuit	Feb 15, 2005	May 30, 2023	Atmel Corp	ATM-257/US
265	1417631	DE	Verfahren zur Ubertragung von Daten	Mar 9, 2005	Jul 31, 2022	Atmel Corp	P303529/DE/3-LR
266	2 849 945	FR	Means for Communicating With USB Smart Cards Using Full-Speed or High-Speed Transfers	Mar 11, 2005	Jan 10, 2023	Atmel Corp	ATM-241-L/FR
267	1-229350	TW	Sense Amplifier with Configurable Voltage Swing Control	Mar 11, 2005	Sep 17, 2023	Atmel Corp	ATM-197/TW
268	697 32 793.0	DE	Eight-Bit Microcontroller Having a RISC Architecture	Mar 16, 2005	Oct 30, 2017	Atmel Corp	ATM-087/DE
269	6,870,461	US	Integrated Receiving/Backscattering Arrangement for Contactless Data Transmission	Mar 22, 2005	Dec 2, 2022	Atmel Corp	P000025/US/1
270	6,873,551	US	An Apparatus and Method for a Configurable Mirror Fast Sense Amplifier	Mar 29, 2005	Jul 18, 2023	Atmel Corp	ATMSP-007/US
271	6,875,648	US	Fabrication of an EEPROM Cell With Emitter-Polysilicon Source/Drain Regions	Apr 5, 2005	Jul 9, 2024	Atmel Corp	ATM-306/US
272	6,878,603	US	Process for Manufacturing a DMOS Transistor	Apr 12, 2005	Jun 11, 2022	Atmel Corp	P303631/US/1
273	6,879,518	US	Embedded Memory with Security Row Lock Protection	Apr 12, 2005	Nov 21, 2023	Atmel Corp	ATM-207/US
274	20 2005 002 157.1	DE	Capacitive Sensor	Apr 14, 2005	Feb 10, 2015	Atmel Corp	P019184QRG/UTM/DE
275	6,882,826	US	Process for the Transfer of Data	Apr 19, 2005	Jul 23, 2022	Atmel Corp	P303667/US/1

	Patent No.	C'ty.	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
276	6,888,192	US	Mirror Image Non-Volatile Memory Cell Transistor Pairs with Single Poly Layer	May 3, 2005	Apr 25, 2023	Atmel Corp	ATM-254/CIB/US
277	6,891,917	US	Shift Register with Reduced Area and Power Consumption	May 10, 2005	Aug 4, 2023	Atmel Corp	ATM-253/US
278	6,905,926	US	Method of Making Nonvolatile Transistor Pairs with Shared Control Gate	Jun 14, 2005	Sep 4, 2023	Atmel Corp	ATM-263/US
279	6,906,576	US	A High Precision Digital-to-Analog Converter With Optimized Power Consumption	Jun 14, 2005	Jan 7, 2024	Atmel Corp	ATM-252/US
280	10-497100	KR	Apparatus and Method for Simplified Analog Signal Record and Playback	Jun 15, 2005	Jul 17, 2018	Atmel Corp	ATMSP-017/KR
281	3,694,531	JP	Eight-Bit Microcontroller Having a RISC Architecture	Jul 1, 2005	Oct 30, 2017	Atmel Corp	ATM-087/JP
282	6,917,235	US	Low Voltage Circuit for Interfacing with High Voltage Analog Signals	Jul 12, 2005	Sep 25, 2023	Atmel Corp	ATM-240/US
283	6,919,242	US	Mirror Image Memory Cell Transistor Pairs Featuring Poly Floating Spacers	Jul 19, 2005	Apr 25, 2023	Atmel Corp	ATM-239/US
284	504,624	KR	Verfahren und Anordnung zur Störunterdrückung in einer Empfängerschaltung	Jul 21, 2005	Aug 3, 2021	Atmel Corp; Melexis GmbH; Vishay GmbH	P303301/KR/1
285	6,922,553	US	Method and Circuit for Obtaining Field Strength Information	Jul 26, 2005	Dec 2, 2022	Atmel Corp	P303806/US/1
286	20 2005 007 480.2	DE	Touch Sensitive Control Panel	Jul 28, 2005	May 11, 2015	Atmel Corp	P019736QRG/UTM/DE

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
287	6,927,612	US	Current Starved DAC-Controlled Delay Locked Loop	Aug 9, 2005	Apr 29, 2024	Atmel Corp	ATM-286/US
288	6,930,538	US	Reference Voltage Source Temperature Sensor, Temperature Threshold Detector, Chip and Corresponding System	Aug 16, 2005	Jul 9, 2023	Atmel Corp	NT0-56/US
289	6,930,925	US	Suspend-Resume Programming Method for Flash Memory	Aug 16, 2005	Oct 14, 2023	Atmel Corp	ATM-282/US
290	6,933,215	US	Process for Doping a Semiconductor Body	Aug 23, 2005	Jun 11, 2022	Atmel Corp	P303604/US/1
291	1470519	DE	Verfahren zur Auswahl von Transpondern	Aug 24, 2005	Jan 15, 2023	Atmel Corp	P800156/DE/2
292	6,937,048	US	Method for Testing an Integrated Circuit with an External Potential Applied to a Signal Output Pin	Aug 30, 2005	Dec 11, 2021	Atmel Corp; Vishay GmbH	P303456/US/1
293	6,937,051	US	Integrated Circuit that can be Externally Tested Through a Normal Signal Output Pin	Aug 30, 2005	Dec 11, 2021	Atmel Corp; Vishay GmbH	P303456/US/2
294	6,940,467	US	Circuit Arrangement and Method for Deriving Electrical Power from an Electromagnetic Field	Sep 6, 2005	Jan 7, 2024	Atmel Corp	P801936/US/1
295	6,940,759	US	Group Erasing System for Flash Array with Multiple Sectors	Sep 6, 2005	Oct 14, 2023	Atmel Corp	ATM-281/US
296	1470520	DE	Verfahren zur Übertragung von Daten	Sep 14, 2005	Jan 15, 2023	Atmel Corp	P800154/DE/2
297	6,947,493	US	Dual Phase Pulse Modulation Decoder Circuit	Sep 20, 2005	Apr 29, 2024	Atmel Corp	ATM-285/US
298	6,952,560	US	Tuned Antenna Resonant Circuit of a Passive Transponder	Oct 4, 2005	May 13, 2022	Atmel Corp	P303474/US/1

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
299	6,954,102	US	A Fast Dynamic Mirror Sense Amplifier with Different Comparison, Equalization and Evaluation Paths	Oct 11, 2005	Apr 3, 2023	Atmel Corp	ATMSP-005/US
300	6,954,866	US	Method and Apparatus for Smoothing the Current Consumption of a Digital Logic Module in an Integrated Circuit	Oct 11, 2005	Jun 30, 2024	Atmel Corp	ATMSP-014/US
301	1470521	DE	Verfahren zur Übertragung von Daten	Oct 12, 2005	Jan 15, 2023	Atmel Corp	P800157/DE/2-LR
302	60 301 831.9	DE	Capacitive Keyboard with Reduced Keying Ambiguity	Oct 12, 2005	Jul 11, 2023	Atmel Corp	P017650QQRG/DE
303	1-242266	TW	Ultra Small Thin Windows in Floating Gate Transistors Defined by Lost Nitride Spacers	Oct 21, 2005	Apr 30, 2023	Atmel Corp	ATM-212/TW
304	6,959,091	US	Cryptography Private Key Storage and Recovery Method and Apparatus	Oct 25, 2005	Jul 28, 2020	Atmel Corp	ATMSP-003/US
305	6,960,981	US	Detecting Redirection During Data Transmission	Nov 1, 2005	Feb 6, 2022	Atmel Corp	P303515/US/1
306	20 2004 020 673.0	DE	Touch-Sensitive Control Panel	Nov 3, 2005	Oct 5, 2024	Atmel Corp	P018692QQRG/DVAU/DE
307	6,963,188	US	On-Chip Power Supply Interface with Load Independent Current Demand	Nov 8, 2005	Apr 6, 2024	Atmel Corp	ATM-298/US
308	6,970,679	US	Method of Detecting a Redirection or Relaying of a Contactless Data Transmission Using at least Two Sequentially Driven Transmitting Antennas	Nov 29, 2005	Dec 4, 2022	Atmel Corp	P303785/US/1
309	6,989,608	US	Method and Apparatus to Eliminate Galvanic Corrosion on Copper Doped Aluminum Bond Pads on Integrated Circuits	Jan 24, 2006	Apr 1, 2024	Atmel Corp	ATM-302/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
310	6,992,517	US	Self-Limiting Pulse Width Modulation Regulator	Jan 31, 2006	Aug 11, 2023	Atmel Corp	2829P/US
311	6,993,607	US	Capacitive Keyboard with Reduced Keying Ambiguity	Jan 31, 2006	Jul 11, 2023	Atmel Corp	P017650QRG/US
312	2,861,926	FR	Circuit micro-electronique d'activation ou de desactivation de buffers, lecteur de cartes a puce et procede de desactivation correspondants.	Feb 10, 2006	Oct 31, 2023	Atmel Corp	NT0-61-L/FR
313	6,998,670	US	Twin EEPROM Memory Transistors With Subsurface Stepped Floating Gates	Feb 14, 2006	Apr 25, 2023	Atmel Corp	ATM-303/CIA/US
314	6,998,884	US	Circuit for Auto-Clamping Input Pins to a Definite Voltage During Power-Up or Reset	Feb 14, 2006	Dec 31, 2023	Atmel Corp	ATM-299/US
315	7,001,804	US	Method of Producing Active Semiconductor Layers of Different Thicknesses in an SOI wafer	Feb 21, 2006	Jan 31, 2025	Atmel Corp	P801584/US
316	7,002,386	US	Self-Limiting Pulse Width Modulation Regulator	Feb 21, 2006	Aug 11, 2023	Atmel Corp	2829P/DVA/US
317	1508870	DE	Verfahren zur drahtlosen Datenibtragung zwischen einer Basisstation und einem Transponder	Mar 1, 2006	Jul 20, 2024	Atmel Corp	P000022/DE/2
318	20 2004 020 820.2	DE	Touch-Sensitive Control Panel	Mar 2, 2006	Oct 5, 2024	Atmel Corp	P018692QRG/DVBU/DE
319	7,009,256	US	Semiconductor over-voltage protection structure for integrated circuit and for diode	Mar 7, 2006	Sep 20, 2024	Atmel Corp	P000008/US/1
320	601 17 813.0	DE	Cryptography Private Key Storage and Recovery Method and Apparatus	Mar 8, 2006	Jul 26, 2021	Atmel Corp	ATMSP-003/DE

	Patent No.	C'try	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
321	7,020,020	US	Low Voltage Non-Volatile Memory Cells Using Twin Bit Line Current Sensing	Mar 28, 2006	Sep 21, 2024	Atmel Corp	ATM-332/US
322	7,037,786	US	Method of forming a low voltage gate oxide layer and tunnel oxide layer in an EEPROM cell	May 2, 2006	Nov 18, 2023	Atmel Corp	ATM-262/US
323	7,044,147	US	System, Apparatus and Method for Contaminant Reduction in Semiconductor Device Fabrication Equipment Components	May 16, 2006	Mar 15, 2024	Atmel Corp	ATM-277/US
324	7,046,076	US	High Efficiency, Low Cost, Charge Pump Circuit	May 16, 2006	Mar 26, 2024	Atmel Corp	ATM-276/US
325	7,049,880	US	A High Precision Digital-to-Analog Converter With Optimized Power Consumption	May 23, 2006	Jan 7, 2024	Atmel Corp	ATM-397/COA/US
326	7,049,958	US	Integrated Circuit for a Transponder	May 23, 2006	May 18, 2024	Atmel Corp	P801651/US/1
327	7,053,591	US	Power Conversion Device With Efficient Output Current Sensing	May 30, 2006	Oct 20, 2024	Atmel Corp	ATM-309/US
328	7,053,669	US	Method for Determining the Beginning of a Second in the Signal of a Time- Signal Transmitter	May 30, 2006	Apr 12, 2016	Atmel Corp	HN94/133/US/1
329	7,053,747	US	Method for producing a spiral inductance on a substrate, and a device fabricated according to such a method	May 30, 2006	May 5, 2025	Atmel Corp	P000020/US/1
330	870646	DE	Elektronischer Blinkgeber	May 31, 2006	Apr 3, 2018	Atmel Corp; Hella KGaA Hueck & Co.	HN97/019/DE/2-LR
331	21 2004 000 044.9	DE	Capacitive Position Sensor	Jun 1, 2006	Aug 9, 2024	Atmel Corp	P018138QRG/UTM/DE

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
332	7,061,316	US	High Frequency Power Detector with DMB-Linear Characteristic and Method of Regulating the Power of Electrical HF-Oscillation	Jun 13, 2006	Dec 19, 2023	Atmel Corp	P800897/US/1
333	602 12 217.1	DE	Depositif Générateur D'Une Tension De Référence Precise	Jun 14, 2006	Feb 7, 2022	Atmel Corp	NT0-51/DE
334	3,816,525	JP	Mobile Telecommunicating Device and Method of Operation	Jun 16, 2006	Aug 30, 2016	Atmel Corp; AT&T	ATM/TEKN-5100/JP
335	7,064,385	US	DMOS-Transistor with lateral dopant gradient in drift region and method of producing the same	Jun 20, 2006	Sep 20, 2024	Atmel Corp	P303707/US/1
336	7,064,434	US	Customized Microelectronic Device and Method for Making Customized Electrical Interconnections	Jun 20, 2006	Nov 26, 2023	Atmel Corp	ATM-264/US
337	ZL98808790.1	CN	Integrated Circuit with Flag Register for Block Selection of Non-Volatile Cells for Bulk Operations	Jun 28, 2006	Dec 4, 2018	Atmel Corp	ATM-110/CN
338	7,071,748	US	Charge Pump Clock for Non-Volatile Memories	Jul 4, 2006	Apr 26, 2024	Atmel Corp	ATM-268/US
339	7,075,464	US	circuit for current measurement and current monitoring	Jul 11, 2006	May 26, 2025	Atmel Corp	P000078/US/1
340	7,078,324	US	Method of fabricating semiconductor component with active regions separated by isolation trenches	Jul 18, 2006	Sep 20, 2024	Atmel Corp	P303706/US/1
341	7,078,792	US	Universal Interconnect Die	Jul 18, 2006	Apr 30, 2024	Atmel Corp	ATM-316/US
342	7,079,577	US	Wide Window Decoder Circuit for Dual Phase Pulse Modulation	Jul 18, 2006	Sep 8, 2024	Atmel Corp	ATM-312/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
343	7,080,440	US	Very Low Moisture O-Ring and Method for Preparing the Same	Jul 25, 2006	Dec 20, 2022	Atmel Corp	ATM-237/US
344	7,082,481	US	Serial Peripheral Interface (SPI) Apparatus with Write Buffer For Improving Data Throughput	Jul 25, 2006	Nov 25, 2023	Atmel Corp	ATM-267/US
345	7,082,490	US	Method and System for Enhancing the Endurance of Memory Cells	Jul 25, 2006	Oct 20, 2023	Atmel Corp	ATM-259/US
346	7,084,640	US	Operating and Evaluation Circuit of an Insect Sensor	Aug 1, 2006	Apr 7, 2025	Atmel Corp	P000074/US/1
347	7,084,699	US	A Fast Dynamic Low Voltage Mirror with Compensated Error	Aug 1, 2006	Apr 3, 2023	Atmel Corp	ATMSP-006/DVA/US
348	7,093,091	US	Selectable Block Protection for Non- Volatile Memory	Aug 15, 2006	Apr 28, 2024	Atmel Corp	ATM-278/US
349	10050294	DE	PLL-Schaltung	Aug 24, 2006	Oct 10, 2020	Atmel Corp	P303325/DE/3-LR
350	7,099,202	US	Y-Mux Splitting Scheme	Aug 29, 2006	Apr 8, 2025	Atmel Corp	ATM-365/US
351	7,102,488	US	Method for Selecting Transponders	Sep 5, 2006	Jan 15, 2023	Atmel Corp	P800156/US/1
352	7,102,950	US	Fuse Data Storage System Using Core Memory	Sep 5, 2006	Aug 2, 2024	Atmel Corp	ATM-324/US
353	7,103,110	US	Dual Phase Pulse Modulation Encoder Circuit	Sep 5, 2006	Apr 29, 2024	Atmel Corp	ATM-284/US
354	7,105,364	US	Method of Increased Reliability of Packaged Semiconductor Integrated Circuit Dice	Sep 12, 2006	Sep 14, 2024	Atmel Corp	ATM-333/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
355	102005026086.1-09	DE	Verfahren und Vorrichtung zum Ermitteln der Belegung eines Übertragungskanals	Sep 14, 2006	Jun 7, 2025	Atmel Corp	P000122/DE/1
356	7,109,845	US	Circuit Arrangement for Signal Detection Having Current Mirror With Cascode Coupled Transistors	Sep 19, 2006	Feb 4, 2024	Atmel Corp	P801373/US/1
357	3,856,156	JP	Enhanced Security Semiconductor Device, Semiconductor Circuit Arrangement, and Method of Production Thereof	Sep 22, 2006	Sep 19, 2016	Atmel Corp	ATM/MOT-001-L/JP
358	7,113,122	US	Current Sensing Analog to Digital Converter and Method of Use	Sep 26, 2006	Jan 25, 2025	Atmel Corp	3446P/US
359	7,116,140	US	Circuit Arrangement for Recognizing and Outputting Control Signals, Integrated Circuit Including the Same and Use Thereof	Oct 3, 2006	Oct 21, 2024	Atmel Corp	P000030/US/1
360	7,119,727	US	Analog-to-Digital Converter	Oct 10, 2006	Oct 25, 2024	Atmel Corp	3206P/US
361	7,120,061	US	Method and Apparatus for a Dual Power Supply to EmbeddedNon- Volatile Memory	Oct 10, 2006	Feb 18, 2025	Atmel Corp	ATMSP-023/US
362	7,120,217	US	Phase-Locked Loop Circuit	Oct 10, 2006	Oct 4, 2021	Atmel Corp	P303325/US/1
363	7,126,432	US	Multi-Phase Realigned Voltage Controlled Oscillator and Phase-Locked Loop Incorporating the Same	Oct 24, 2006	Jul 18, 2025	Atmel Corp	ATM-344/US
364	7,126,860	US	Read-Accessible Column Latch for Non-Volatile Memories	Oct 24, 2006	Jan 3, 2025	Atmel Corp	ATM-318/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
365	7,129,788	US	Method and Apparatus for Driving a Direct Current or Voltage Controlled Oscillator with Modulation Slope Feedback	Oct 31, 2006	Mar 27, 2024	Atmel Corp	P303732/US/1
366	7,129,791	US	Circuit and method for faster frequency switching in a phase locked loop	Oct 31, 2006	Aug 4, 2024	Atmel Corp	P303466/US/1
367	7,130,175	US	Monolithic Integratable Circuit Arrangement for Protection Against a Transient Voltage	Oct 31, 2006	Jul 27, 2024	Atmel Corp	P303500/US/1
368	7,130,209	US	Flexible OTP Sector Protection Architecture for Flash Memories	Oct 31, 2006	May 12, 2025	Atmel Corp	3222P/US
369	7,132,897	US	Method and circuit for producing a control voltage for a VCO	Nov 7, 2006	Nov 12, 2024	Atmel Corp	P303543/US/1
370	10106736	DE	Verfahren zur Erkennung einer Weiterleitung bei einer bidirektionalen, kontaktlosen Datentibertragung	Nov 9, 2006	Feb 14, 2021	Atmel Corp	P303515/DE/3-LR
371	202006010488.7	DE	Single-Layer Indium Tin Oxide Touch Screen	Nov 9, 2006	Jul 6, 2016	Atmel Corp	P023423QRG/UTM/DE
372	7,138,854	US	Integrated circuit delivering logic levels at a voltage independent from the mains voltage, with no attached regulator for the power section, and corresponding communication module	Nov 21, 2006	Mar 31, 2024	Atmel Corp	NT0-58/US
373	60 2005 000 282.0	DE	Procede de detection automatique du debit d'un reseau, notamment de type bus CAN, et de configuration au debit detects par analyse de transitions, dispositif correspondant.	Nov 29, 2006	Jan 13, 2025	Atmel Corp	NT0-64/DE

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
374	7,144,775	US	Low-Voltage Single-Layer Polysilicon EEPROM Memory Cell	Dec 5, 2006	May 18, 2024	Atmel Corp	ATM-307/US
375	7,144,796	US	Method of Fabricating Semiconductor Components through Implantation and Diffusion in a Semiconductor Substrate	Dec 5, 2006	Sep 20, 2024	Atmel Corp	P303719/US/1
376	7,145,318	US	Negative Voltage Regulator	Dec 5, 2006	Nov 21, 2025	Atmel Corp	ATMSP-033/US
377	7,148,704	US	Charge Transfer Capacitive Position Sensor	Dec 12, 2006	Oct 30, 2023	Atmel Corp	P017658QQRG/US
378	7,151,436	US	Receiving/backscattering Arrangement and Method with Two Modulation Modes for Wireless Data Transmission as Well as Modulation Arrangement Therefor	Dec 19, 2006	Jan 7, 2024	Atmel Corp	P801147/US/1
379	7,151,701	US	Self-Adaptive Program Delay Circuitry for Programmable Memories	Dec 19, 2006	Nov 16, 2024	Atmel Corp	ATM-320/US
380	7,151,811	US	Electric Circuit for Decoding a Two-Phase Asynchronous Data Signal and Corresponding Decoding Method, Device for Controlling Equipment	Dec 19, 2006	Nov 17, 2024	Atmel Corp	NT0-62/US
381	7,154,340	US	Circuit for increasing the unity gain crossover frequency of an amplifier element	Dec 26, 2006	Mar 31, 2025	Atmel Corp	P000044/US/1
382	7,157,958	US	Reduced Voltage Pre-charge Multiplexer	Jan 2, 2007	Oct 8, 2024	Atmel Corp	ATM-289/US
383	7,158,010	US	Circuit arrangement and method for phase modulation in a backscattering transponder	Jan 2, 2007	May 26, 2024	Atmel Corp	P000006/US/1

	Patent No.	C'ty.	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
384	7,158,415	US	System for Performing Fast Testing During Flash Reference Cell Settings	Jan 2, 2007	Mar 24, 2025	Atmel Corp	ATM-300/US
385	7,162,003	US	Method and Apparatus for Driving Multiple Peripherals with Different Clock Frequencies in an Integrated Circuit	Jan 9, 2007	Jan 13, 2025	Atmel Corp	ATMSP-022/US
386	1478063	DE	Treiberschaltung zum Betreiben eines elektronischen Bauteils	Jan 10, 2007	May 11, 2024	Atmel Corp	P000007/DE/2
387	7,167,029	US	Sampling and Level Shifting Circuit	Jan 23, 2007	Jan 25, 2025	Atmel Corp	3455P/US
388	7,169,660	US	Lithography-Independent Fabrication of Small Openings	Jan 30, 2007	Jan 21, 2024	Atmel Corp	ATM-337/CIA/US
389	7,169,692	US	Method and Apparatus to Eliminate Galvanic Corrosion on Copper Doped Aluminum Bond Pads on Integrated Circuits	Jan 30, 2007	Apr 1, 2024	Atmel Corp	ATM-426/DVA/US
390	7,173,405	US	Method and apparatus for current limitation in voltage regulators with improved circuitry for providing a control voltage	Feb 6, 2007	Jul 9, 2024	Atmel Corp	ATMSP-012/CIA/US
391	7,173,519	US	Circuit Arrangement with Simplified Input Circuit for Phase Modulation in a Backscattering Transponder	Feb 6, 2007	May 26, 2024	Atmel Corp	P801802/US/1
392	7,173,798	US	DCDC Voltage Converter Overload Detector and Corresponding Component and Device	Feb 6, 2007	Nov 19, 2022	Atmel Corp	NT0-52-L/US
393	7,176,112	US	Non-Thermal Annealing with Electromagnetic Radiation in the Terahertz Range of Doped Semiconductor Material	Feb 13, 2007	Apr 22, 2025	Atmel Corp	ATM-349/US

	Patent No.	C'ty	Title	Issue	Expiration (estimated)	Donor(s)	Atmel Ref.
394	7,176,750	US	Method and Apparatus for Fast Power-On of the Band-Gap Reference	Feb 13, 2007	May 9, 2025	Atmel Corp	3183P/US
395	7,177,198	US	Compensated Method to Implement a High Voltage Discharge Phase After Erase Pulse in a Flash Memory Device	Feb 13, 2007	May 6, 2025	Atmel Corp	3218P/US
396	202006014244.4	DE	Touch Sensitive Screen	Feb 15, 2007	Sep 18, 2016	Atmel Corp	P023094QRG/UTM/DE
397	7,180,126	US	Multi-Level Memory Cell With Lateral Floating Spacers	Feb 20, 2007	Dec 20, 2022	Atmel Corp	ATM-330/DVA/US
398	7,180,276	US	Dual Stage Voltage Regulation Circuit	Feb 20, 2007	Sep 17, 2023	Atmel Corp	ATM-476/DVA/US
399	7,180,331	US	Voltage Tolerant Structure for I/O Cells	Feb 20, 2007	Jan 3, 2025	Atmel Corp	ATM-311/US
400	7,180,779	US	Memory Architecture with Enhanced Over-Erase Tolerant Control Gate Scheme	Feb 20, 2007	Jul 11, 2025	Atmel Corp	ATM-322/US
401	7,180,795	US	Method of Sensing an EEPROM Reference Cell	Feb 20, 2007	Aug 5, 2025	Atmel Corp	ATM-412/US
402	7,181,565	US	Method and System for Configuring Parameters for a Flash Memory	Feb 20, 2007	Nov 10, 2025	Atmel Corp	3182P/US
403	7,181,650	US	Fault Tolerant Data Storage Circuit	Feb 20, 2007	Jun 2, 2023	Atmel Corp	ATM-258/US
404	1587022	DE	Verfahren zur drahtlosen Datenübertragung	Feb 21, 2007	Apr 9, 2025	Atmel Corp	P000058/DE/2
405	102005053301.9-09	DE	Detektionseinheit und Verfahren zur Detektion von Datensymbolen	Feb 22, 2007	Nov 9, 2025	Atmel Corp	P000166/DE/1

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
406	7,183,180	US	Method for Simultaneous Fabrication of a Nanocrystal and Non-Nanocrystal Device	Feb 27, 2007	Oct 13, 2024	Atmel Corp	ATM-331/US
407	7,183,734	US	Sensorless Control of Two-Phase Brushless DC Motor	Feb 27, 2007	Feb 18, 2025	Atmel Corp	ATM-372/US
408	7,183,801	US	Programmable Logic Auto Write-Back	Feb 27, 2007	Sep 8, 2024	Atmel Corp	ATM-310/US
409	7,184,311	US	Method and System for Regulating a Program Voltage Value During Multilevel Memory Device Programming	Feb 27, 2007	May 5, 2025	Atmel Corp	3185P/US
410	102005026093.4-09	DE	Detektionseinheit	Feb 28, 2007	Jun 7, 2025	Atmel Corp	P000117/DE/1
411	7,189,619	US	Process for manufacturing vertically insulated structural components on SU material of various thickness	Mar 13, 2007	Jan 31, 2025	Atmel Corp	P801585/US/1
412	7,199,565	US	Low Dropout Voltage Regulator with a Voltage Slew Rate Efficient Transient Response Boost Circuit	Apr 3, 2007	Apr 18, 2026	Atmel Corp	ATM-PT004/US
413	7,199,601	US	Method and Testing Apparatus for Testing Integrated Circuits	Apr 3, 2007	Apr 1, 2025	Atmel Corp	P303739/US/1
414	7,208,795	US	Low Cost, Low-Voltage Single-Layer Polycrystalline EEPROM Memory Cell Integration Into BiCMOS Technology	Apr 24, 2007	May 24, 2025	Atmel Corp	ATM-353/US
415	7,208,929	US	Power Efficient Startup Circuit for Activating a Bandgap Reference Circuit	Apr 24, 2007	Apr 18, 2026	Atmel Corp	ATM-PT003/US
416	7,209,010	US	Oscillator with Tunable Diffusion Capacitance as Resonant Circuit Capacitance	Apr 24, 2007	Mar 31, 2025	Atmel Corp	P303668/US/1

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
417	102005060472.2-09	DE	PLL-Frequenzgenerator	Apr 26, 2007	Dec 17, 2025	Atmel Corp	P000220/DE/1
418	603 13 807.1	DE	Method for Counting Beyond Endurance Limitations of Non-Volatile Memories	May 9, 2007	Dec 16, 2023	Atmel Corp	ATM-227/DE
419	102006007262.6-09	DE	Verfahren zur drahtlosen Datenübertragung zwischen einer Basisstation und einem Transponder mittels induktiver Kopplung	May 10, 2007	Feb 10, 2026	Atmel Corp	P000227/DE/1
420	7,218,167	US	Electric reference voltage generating device of improved accuracy and corresponding electronic integrated circuit	May 15, 2007	Feb 22, 2025	Atmel Corp	NT0-66/US
421	7,224,155	US	Method and Circuit for Current Limitation in Low Drop Out Voltage Regulators	May 29, 2007	Jul 9, 2024	Atmel Corp	ATMSP-012/US
422	7,224,610	US	Layout Reduction by Sharing a Column Latch Per Two Bit Lines	May 29, 2007	Jan 3, 2026	Atmel Corp	ATM-441/US
423	7,224,635	US	Fast Read Port for Register File	May 29, 2007	May 17, 2025	Atmel Corp	ATM-379/US
424	102006029514.5-09	DE	Schaltungsanordnung und Verfahren zum Steuern mindestens eines Aktors in einem Kraftfahrzeug	May 31, 2007	Jun 27, 2026	Atmel Corp	P000255/DE/1
425	7,227,317	US	Method and System for Enhanced Dimming Resolution in A Light Ballast Through Use of Multiple Control Frequencies	Jun 5, 2007	Jun 10, 2024	Atmel Corp	2978P/US
426	7,227,399	US	Detector of Differential Threshold Voltage	Jun 5, 2007	Aug 11, 2024	Atmel Corp	ATM-304/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
427	7,230,342	US	Registration Mark Within An Overlap of Dopant Regions	Jun 12, 2007	Aug 31, 2025	Atmel Corp	ATM-359/US
428	1732223	DE	Integrierter Schaltkreis	Jun 13, 2007	Jun 3, 2026	Atmel Corp	P000178/DE/2
429	7,232,732	US	Semiconductor Device with a Torroidal- Like Junction	Jun 19, 2007	Oct 6, 2023	Atmel Corp	ATM-273/US
430	7,233,044	US	MOS-Transistor and Method for Producing a MOS-Transistor Structure	Jun 19, 2007	Jan 31, 2025	Atmel Corp	P303694/US/1
431	7,233,185	US	Vernier Circuit for Fine Control of Sample Time	Jun 19, 2007	Apr 29, 2024	Atmel Corp	ATM-287/US
432	7,233,528	US	Reduction of Programming Time in Electrically Programmable Devices	Jun 19, 2007	Jul 25, 2025	Atmel Corp	ATM-411/US
433	7,234,643	US	Microelectronic circuit for activating or deactivating at least one input/output, corresponding chip card reader and method of deactivating	Jun 26, 2007	Nov 1, 2024	Atmel Corp	NT0-61-L/US
434	7,236,043	US	Antifuse Programming, Protection, and Sensing Device	Jun 26, 2007	Oct 17, 2025	Atmel Corp	ATM-431/US
435	7,236,050	US	A Fast Dynamic Low Voltage Mirror with Compensated Error	Jun 26, 2007	Apr 3, 2023	Atmel Corp	ATMSP-006/DVB/US
436	7,236,743	US	Method and Arrangement for Noise Rejection in a Receiver Circuit	Jun 26, 2007	Aug 3, 2021	Atmel Corp; Melexis GmbH; Vishay GmbH	P303301/US/1
437	1168626	DE	Verfahren zur Reduzierung der Abkling- und Einschwingzeiten bei Schwingkreisen	Jun 26, 2007	Jun 2, 2021	Atmel Corp	P303311/DE/2-LR

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
438	202007005237.5	DE	Hybrid Capacitive Touch Screen Element	Jul 5, 2007	Apr 11, 2017	Atmel Corp	P026043QRG/UTM/DE
439	7,240,848	US	Three Port RF Interface Chip	Jul 10, 2007	Sep 6, 2026	Atmel Corp	ATM-468/US
440	7,242,242	US	A Fast Dynamic Low Voltage Mirror with Compensated Error	Jul 10, 2007	Apr 3, 2023	Atmel Corp	ATMSP-006/DVC/US
441	7,243,210	US	Extracted-Index Addressing of Byte- Addressable Memories	Jul 10, 2007	May 31, 2025	Atmel Corp	ATM-387/US
442	699 36 524.4	DE	Method and Apparatus for Serial Access Memory	Jul 11, 2007	Apr 9, 2019	Atmel Corp	ATM-118/DE
443	7,245,152	US	Voltage-Level Shifter	Jul 17, 2007	May 2, 2025	Atmel Corp	3337P/US
444	7,245,555	US	Automatic Address Transition Detection (ATD) Control for Reduction of Sense Amplifier Power Consumption	Jul 17, 2007	Dec 12, 2025	Atmel Corp	ATM-444/US
445	7,248,103	US	Complex Band-Pass Filter	Jul 24, 2007	Jan 20, 2026	Atmel Rousset	3428P/US
446	7,249,215	US	Method and System for Configuring Parameters for a Flash Memory	Jul 24, 2007	Nov 10, 2025	Atmel Corp	3182C/COA/US
447	1284906	TW	Flexible OTP Sector Protection Architecture for Flash Memories	Aug 1, 2007	Oct 11, 2025	Atmel Corp	3222P/TW
448	7,253,057	US	Memory Cell with Reduced Size and Standby Current	Aug 7, 2007	Apr 6, 2026	Atmel Corp	ATM-456/US
449	7,256,094	US	Method for Changing Threshold Voltage of Device in Resist Asher	Aug 14, 2007	May 24, 2025	Atmel Corp	ATM-342/US

	Patent No.	City	Title	Issue	Examination (applicant)	Donor(s)	Atmel Ref.
450	7,256,445	US	Fabrication of an EEPROM Cell With Emitter-Polysilicon Source/Drain Regions	Aug 14, 2007	Jul 9, 2024	Atmel Corp	ATM-375/DVA/US
451	7,256,714	US	Capacitive Keyboard with Reduced Keying Ambiguity	Aug 14, 2007	Jul 11, 2023	Atmel Corp	P017650QRG/COA/US
452	7,257,046	US	Memory Data Access Scheme	Aug 14, 2007	Jun 13, 2025	Atmel Corp	ATM-363/US
453	7,257,668	US	Method and System for Enhancing the Endurance of Memory Cells	Aug 14, 2007	Oct 20, 2023	Atmel Corp	ATM-496/COA/US
454	7,259,596	US	Circuit Arrangement for Monitoring a Voltage	Aug 21, 2007	Nov 2, 2024	Atmel Corp	P800815/US/1
455	7,259,612	US	Efficient Charge Pump for a Wide Range of Supply Voltages	Aug 21, 2007	Jun 28, 2025	Atmel Corp	ATM-394/US
456	7,260,151	US	Dual Phase Pulse Modulation System	Aug 21, 2007	Oct 8, 2024	Atmel Corp	ATM-290/US
457	60 2005 002 160.4	DE	Dispositif de generation dune tension electrique de reference de precision amelioree et circuit integre electronique correspondant	Aug 29, 2007	Feb 18, 2025	Atmel Corp	NT0-66/DE
458	1728191	DE	Verfahren zur Datenkommunikation zwischen einer Basisstation und einem Transponder	Sep 5, 2007	Mar 23, 2025	Atmel Corp	P801148/DE/3
459	102004013176.7-09	DE	Verfahren und Vorrichtung zum Auskiihren eines Programms	Sep 6, 2007	Mar 17, 2024	Atmel Corp	P303665/DE/1
460	20 2006 019 926.8	DE	Keyboard with Reduced Keying Ambiguity	Sep 6, 2007	Jun 20, 2016	Atmel Corp	P024787QRG/UTM/DE
461	20 2007 006 407.1	DE	Touch Screen Element	Sep 6, 2007	May 4, 2017	Atmel Corp	P026100QRG/UTM/DE

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
462	7,269,058	US	System and Method for Preserving an Error Margin for a Non-Volatile Memory	Sep 11, 2007	May 9, 2025	Atmel Corp	3181P/US
463	7,269,704	US	Method and Apparatus for Reducing System Inactivity During the Time Data Float Delay and External Write.	Sep 11, 2007	May 11, 2025	Atmel Corp	ATMSP-024/US
464	1286602	TW	Charge Transfer Capacitive Position Sensor	Sep 11, 2007	Oct 30, 2023	Atmel Corp	P017658QQRG/TW
465	7,271,031	US	Universal Interconnect Die	Sep 18, 2007	Apr 30, 2024	Atmel Corp	ATM-479/DVA/US
466	7,274,284	US	Method for RF Card Detection in a Contactless System	Sep 25, 2007	Feb 4, 2025	Atmel Corp	ATM-350/US
467	7,274,999	US	Brownout Detector System and Method	Sep 25, 2007	Mar 10, 2026	Atmel Corp	20275-0015001/US
468	7,275,128	US	Selectable Block Protection for Non- Volatile Memory	Sep 25, 2007	Apr 28, 2024	Atmel Corp	ATM-459A/COB/US
469	1587023	DE	Verfahren zur Datenkommunikation zwischen einer Basisstation und einem Transponder	Sep 26, 2007	Apr 9, 2025	Atmel Corp	P801566/DE/2
470	7,277,478	US	Method for Transmitting Data Between a Base Station and a Transponder	Oct 2, 2007	Jan 15, 2023	Atmel Corp	P800154/US/1
471	1630715	DE	Verfahren zur Auswahl eines oder mehrerer Transponder	Oct 3, 2007	Aug 23, 2025	Atmel Corp	P000048/DE/2
472	102004010299.6-09	DE	Infrarot-Empfänger-Chip	Oct 4, 2007	Mar 3, 2024	Atmel Corp	P000051/DE/1
473	7,279,647	US	Control panel	Oct 9, 2007	Jun 19, 2026	Atmel Corp	P023292QQRG/US

	Patent No.	C'ty.	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
474	7,279,961	US	Charge Pump for Intermediate Voltage	Oct 9, 2007	Nov 21, 2025	Atmel Corp	ATMSP-034/US
475	7,279,969	US	Signal Amplification Method and Amplifier Array	Oct 9, 2007	Dec 23, 2025	Atmel Corp	P000137/US/1
476	7,283,011	US	Method for Performing Dual Phase Pulse Modulation	Oct 16, 2007	Apr 29, 2024	Atmel Corp	ATM-283/US
477	7,283,396	US	System and Method for Matching Resistance in a Non-Volatile Memory	Oct 16, 2007	Jul 28, 2025	Atmel Corp	3237P/US
478	7,284,081	US	Method and System for High Speed USB Data Routing	Oct 16, 2007	Jan 27, 2024	Atmel Corp	2906P/US
479	7,286,029	US	Passive devices formed in grooves on a substrate and a method of manufacture	Oct 23, 2007	May 5, 2025	Atmel Corp	P000024/US/1
480	7,286,809	US	Method and circuit system for suppressing noise in a signal processing circuit	Oct 23, 2007	Sep 10, 2024	Atmel Corp	P303702/US/1
481	102004036352.8-09	DE	Schaltung zur Strommessung und StromOberwachung und deren Verwendung fur eine Funktionseinheit	Oct 25, 2007	Jul 27, 2024	Atmel Corp	P000078/DE/2-LR
482	102006020423.9-09	DE	Verfahren sowie Schaltungsanordnung zur Feldstarkebestimmung	Oct 25, 2007	Apr 25, 2026	Atmel Corp	P000281/DE/1
483	20 2004 021 345.1	DE	Touch-Sensitive Control Panel	Oct 25, 2007	Oct 5, 2024	Atmel Corp	P018692QQRG/DVCU/DE
484	20 2007 007 456.5	DE	Touch Sensitive User Interface	Oct 25, 2007	May 25, 2017	Atmel Corp	P026368QQRG/UTM/DE
485	1691320	DE	Schaltungsanordnung und Verfahren zur Spannungsversorgung eines Transponders	Oct 31, 2007	Feb 3, 2026	Atmel Corp	P000143/DE/2

	Patent No.	C'try	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
486	7,290,927	US	Method and Device for Convolutional Encoding and Transmission by Packets of a Digital Data Series Flow, and Corresponding Decoding Method and Device	Nov 6, 2007	Jul 28, 2019	Atmel Corp	NTO-41/DVA/US
487	7,292,174	US	Current Sensing Analog to Digital Converter and Method of Use	Nov 6, 2007	Aug 25, 2026	Atmel Corp	3446C/COA/US
488	202007007345.3	DE	Two-Dimensional Position Screen	Nov 8, 2007	May 23, 2017	Atmel Corp	P025530QQRG/UTM/DE
489	7,295,046	US	Power Down Detection Circuit	Nov 13, 2007	Jan 9, 2026	Atmel Corp	ATM-435/US
490	7,295,190	US	Touch Sensitive Control Panel	Nov 13, 2007	May 21, 2024	Atmel Corp	P019736QQRG/US
491	7,295,466	US	Use of Recovery Transistors During Write Operations to Prevent Disturbance of Unselected Cells	Nov 13, 2007	Dec 16, 2025	Atmel Corp	ATM-437/US
492	7,295,485	US	Memory Architecture with Advanced Main-Bitline Partitioning Circuitry for Enhanced Erase/Program/Verify Operations	Nov 13, 2007	Jul 12, 2025	Atmel Corp	ATM-327/US
493	7,295,671	US	Advanced Encryption Standard Hardware Cryptographic Engine	Nov 13, 2007	May 23, 2023	Atmel Corp	ATM-220/US
494	102006020422.0-09	DE	Passive-Entry-und/oder Passive-Go- System sowie zugehöriges Betriebsverfahren	Nov 21, 2007	Apr 25, 2026	Atmel Corp	P000282/DE/1
495	7,300,849	US	Bandgap Engineered Mono-Crystalline Silicon Cap Layers for SiGe HBT Performance Enhancement	Nov 27, 2007	Nov 4, 2025	Atmel Corp	3508P/US
496	7,301,197	US	Non-Volatile Nanocrystal Memory Transistors Using Low Voltage Impact Ionization	Nov 27, 2007	Sep 21, 2024	Atmel Corp	ATM-334/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
497	7,301,794	US	Non-Volatile Memory Array with Simultaneous Write and Erase Feature	Nov 27, 2007	Feb 4, 2024	Atmel Corp	ATM-499/DVA/US
498	7,301,814	US	System and Method for Avoiding Offset In and Reducing the Footprint of a Non- Volatile Memory	Nov 27, 2007	May 11, 2025	Atmel Corp	3180P/US
499	7,301,832	US	Compact Column Redundancy CAM Architecture for Concurrent Read and Write Operations in Multi-Segment Memory Arrays	Nov 27, 2007	Nov 3, 2025	Atmel Corp	ATM-399/US
500	7,302,518	US	Method and System for Managing a Suspend Request in a Flash Memory	Nov 27, 2007	Jun 2, 2025	Atmel Corp	3184P/US
501	NI-290716	TW	Method and System for Providing Sensing Circuitry in a Multi-Bank Memory Device	Dec 1, 2007	Oct 20, 2025	Atmel Corp	3236P/TW
502	7,304,514	US	Method and Circuits for Sensing On- Chip Voltage In Powerup Mode	Dec 4, 2007	Apr 6, 2026	Atmel Corp	ATMSP-037/US
503	7,304,878	US	Autonomous Antifuse Cell	Dec 4, 2007	Mar 14, 2026	Atmel Corp	ATM-432/US
504	7,304,890	US	Double Byte Select High Voltage Line for EEPROM Memory Block	Dec 4, 2007	Dec 13, 2025	Atmel Corp	ATM-438/US
505	7,304,904	US	Fast Read Port for Register File	Dec 4, 2007	May 17, 2025	Atmel Corp	ATM-554/DVB/US
506	7,307,497	US	Method for Producing a Coplanar Waveguide System on a Substrate, and a Component for the Transmission of Electromagnetic Wave Fabricated in Accordance with Such a Method	Dec 11, 2007	May 5, 2025	Atmel Corp	P000021/US/1

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
507	7,307,898	US	Method and Apparatus for Implementing Walkout of Device Junctions	Dec 11, 2007	Nov 30, 2025	Atmel Corp	ATMSP-036/US
508	7,308,516	US	Bi-Directional Serial Interface for Communication Control	Dec 11, 2007	Apr 26, 2024	Atmel Corp	ATM-295/US
509	1735735	DE	Verfahren und Vorrichtung zum Erkennen von Funktionszuständen in RFID- oder Remote-Sensor-Systemen	Dec 12, 2007	Apr 12, 2025	Atmel Corp	P000004/DE/2
510	7,312,644	US	Power Failure Detection Circuit with Fast Drop Response	Dec 25, 2007	Dec 14, 2025	Atmel Corp	NT0-77/US
511	7,312,692	US	Method for Selecting One or Several Transponders	Dec 25, 2007	Oct 19, 2024	Atmel Corp	P000035/US/1
512	ZL99805519.0	CN	A Microcontroller Having a Single Memory Module Storing Data Memory and Code Memory and Supporting Independent Read/Write Access to Both	Dec 26, 2007	Mar 2, 2019	Atmel Corp	ATM-080/CN
513	7,313,950	US	Integrated Multisensor	Jan 1, 2008	Feb 3, 2026	Atmel Corp	P000053/US/1
514	7,315,732	US	Method for frequency conversion and receiver	Jan 1, 2008	Jan 28, 2025	Atmel Corp	P303704/US/1
515	7,317,307	US	Circuit Arrangement for Load Regulation In The Receive Path of a Transponder	Jan 8, 2008	Mar 17, 2025	Atmel Corp	P000057/US/1
516	7,317,630	US	Nonvolatile Semiconductor Memory Apparatus	Jan 8, 2008	Jul 15, 2025	Atmel Corp	ATM-374/US
517	7,317,905	US	radio-controlled clock and method for gaining time information	Jan 8, 2008	Jan 28, 2025	Atmel Corp; C-MAX Europe GmbH	P000015/US/1

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
518	7,319,368	US	Method and Circuit Arrangement for Load Modulation in a Combination Comprised of a Transmitting and a Receiving Oscillator Circuit	Jan 15, 2008	Apr 22, 2025	Atmel Corp	P000075/US/1
519	D559862	US	Media Player	Jan 15, 2008	Jan 15, 2022	Atmel Corp	3050.074QRG/DES/US
520	7,320,922	US	Integrated circuit and method for manufacturing an integrated circuit on a chip	Jan 22, 2008	Nov 15, 2025	Atmel Corp	P000098/US/1
521	7,321,300	US	Security device for a transponder	Jan 22, 2008	Apr 14, 2025	Atmel Corp	P000073/US/1
522	D560227	US	Media Player	Jan 22, 2008	Jan 22, 2022	Atmel Corp	3050.058QRG/DES/US
523	7,458,271	US	Fluid sensor	Jan 23, 2008	Oct 11, 2027	Atmel Corp	P000316/US/2
524	102006058889.4-09	DE	Verfahren zur Flankenformung von Signalen und Sender-/Empfänger- Baustein kir ein Bussystem	Jan 23, 2008	Dec 4, 2026	Atmel Corp	P000328/DE/1
525	ZL200380109725.4	CN	Means for Communicating With USB Smart Cards Using Full-Speed or High-Speed Transfers	Jan 23, 2008	Dec 10, 2023	Atmel Corp	ATM-241-L/CN
526	7,322,837	US	Plug Connector Modules of a Plug Connector for Simultaneously Connecting a Plurality of Electrical Contacts	Jan 29, 2008	Sep 22, 2025	Atmel Corp	P303763/US/1
527	7,323,765	US	Die Attach Paddle for Mounting Integrated Circuit Die	Jan 29, 2008	Oct 13, 2024	Atmel Corp	ATM-317/US
528	7,323,856	US	Power efficient startup circuit for activating a bandgap reference circuit	Jan 29, 2008	Apr 18, 2026	Atmel Corp	ATM-PT003/COA/US
529	7,325,114	US	Selectable Block Protection for Non-Volatile Memory	Jan 29, 2008	Apr 28, 2024	Atmel Corp	ATM-459/COA/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
530	7,327,030	US	Apparatus and Method Incorporating Discrete Passive Components in an Electronic Package	Feb 5, 2008	Dec 16, 2025	Atmel Corp	ATM-425/US
531	7,327,171	US	Charge Pump Clock for Non-Volatile Memories	Feb 5, 2008	Apr 26, 2024	Atmel Corp	ATM-457/DVA/US
532	7,328,299	US	Interface for Compressed Data Transfer Between Host Systems and Parallel Data Processing System	Feb 5, 2008	Nov 23, 2024	Atmel Corp	ATM-326/US
533	7,330,375	US	Sense Amplifier Circuit for Parallel Sensing of Four Current Levels	Feb 12, 2008	Aug 15, 2025	Atmel Corp	ATM-360/US
534	7,333,389	US	Column Decoding Architecture for Flash Memories	Feb 19, 2008	May 11, 2025	Atmel Corp	3217P/US
535	7,333,467	US	Receiver circuit and method using selectively variable amplification for receiving time signals from different transmitters	Feb 19, 2008	Dec 8, 2024	Atmel Corp; C-MAX Europe GmbH	P000029/US/1
536	1517362	DE	Verfahren zur Herstellung von Halbleiterbauelementen in einem Halbleitersubstrat	Feb 20, 2008	Sep 17, 2024	Atmel Corp	P303719/DE/2
537	7,335,943	US	Ultrascaleable Vertical MOS Transistor with Planar Contacts	Feb 26, 2008	May 6, 2025	Atmel Corp	ATM-370/US
538	7,336,109	US	High Voltage Tolerant Port Driver	Feb 26, 2008	Oct 28, 2025	Atmel Corp	ATM-419/US
539	7,336,110	US	Differential Amplitude Controlled Sawtooth Generator	Feb 26, 2008	Jan 17, 2027	Atmel Corp	ATM-533/US
540	7,336,154	US	Method for Selecting One or Several Transponders	Feb 26, 2008	Jul 30, 2024	Atmel Corp	P000033/US/1
541	7,336,540	US	Indirect Measurement of Negative Margin Voltages in Endurance Testing of EEPROM Cells	Feb 26, 2008	Mar 29, 2026	Atmel Corp	ATM-364/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
542	7,336,542	US	Nonvolatile Latch	Feb 26, 2008	Feb 1, 2025	Atmel Corp	3299P/US
543	7,338,875	US	Semiconductor Device with a Torroidal-Like Junction	Mar 4, 2008	Oct 6, 2023	Atmel Corp	ATM-522/DVA/US
544	7,339,439	US	Voltage-Controlled Oscillator with Multi- Phase Realignment of Asymmetric Stages	Mar 4, 2008	Jul 18, 2025	Atmel Corp	ATM-462/CIA/US
545	7,339,832	US	Array Source Line (AVSS) Controlled High Voltage Regulation for Programming Flash or EE Array	Mar 4, 2008	Nov 21, 2025	Atmel Corp	ATM-433/US
546	7,340,366	US	Method and Apparatus of Temperature Compensation for Integrated Circuit Chip Using On-Chip Sensor and Computation Means	Mar 4, 2008	Mar 4, 2024	Atmel Corp	ATM-261/US
547	1760898	DE	Verfahren und Vorrichtung zum Erkennen der Belegung eines Nachbarkanals mit einem Signal	Mar 5, 2008	Aug 25, 2026	Atmel Corp	P000142/DE/2
548	7,341,911	US	Method of making EEPROM transistor pairs for block alterable memory	Mar 11, 2008	Aug 11, 2023	Atmel Corp	ATM-403/DVA/US
549	7,341,916	US	Self-Aligned Nanometer-Level Transistor Defined Without Lithography	Mar 11, 2008	Nov 10, 2025	Atmel Corp	ATM-416/US
550	7,342,308	US	Component Stacking for Integrated Circuit Electronic Package	Mar 11, 2008	Dec 20, 2025	Atmel Corp	3715P/US
551	7,342,481	US	Method and Circuit Arrangement for Wireless Data Transmission	Mar 11, 2008	Jan 31, 2025	Atmel Corp	P801943/US/1

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
552	102004004512.7-09	DE	Integrierte Schaltung mit lateraler dielektrischer Isolation aktiver Bereiche Ober elektrisch kontaktiertem vergrabenen Material und Herstellungsverfahren	Mar 17, 2008	Jan 23, 2024	Atmel Corp	P303427/DE/3-LR
553	7,345,513	US	Driver circuit with automatic offset compensation of an amplifier and method for offset compensation of an amplifier of a driver circuit	Mar 18, 2008	Nov 23, 2025	Atmel Corp	P000042/US/1
554	7,345,921	US	Method and System for a Programming Approach for a Nonvolatile Electronic Device	Mar 18, 2008	May 12, 2025	Atmel Corp	3219P/US
555	60 2005 005 370.0	DE	Microcontrôleur a Convertisseur Numerique Analogique synchronise	Mar 19, 2008	Jan 17, 2025	Atmel Corp	NT0-68/DE
556	7,348,256	US	Methods of Forming Reduced Electric Field DMOS Using Self-Aligned Trench Isolation	Mar 25, 2008	Jul 25, 2025	Atmel Corp	ATM-345/US
557	7,348,626	US	Method of Making Nonvolatile Transistor Pairs with Shared Control Gate	Mar 25, 2008	Sep 4, 2023	Atmel Corp	ATM-398/DVA/US
558	7,348,911	US	Common Mode Management Between A Current-Steering DAC and Transconductance Filter in a Transmission System	Mar 25, 2008	Aug 8, 2026	Atmel Rousset	3868P/US
559	2,437,827	GB	Touch Screen Element	Mar 26, 2008	Apr 30, 2027	Atmel Corp	P026100QRG/GB
560	7,352,051	US	Cascode, cascode circuit and method for vertical integration of two bipolar transistors into a cascode arrangement	Apr 1, 2008	Aug 8, 2025	Atmel Corp	P000085/US/1

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
561	7,352,203	US	A Method to Reduce Power in Active Shield Circuits that Use Complimentary Traces	Apr 1, 2008	Dec 26, 2026	Atmel Corp	ATM-470/US
562	7,352,224	US	PULSE GENERATOR AND METHOD FOR GENERATING A PULSE TRAIN	Apr 1, 2008	Dec 23, 2025	Atmel Corp	P000131/US/1
563	7,352,275	US	Device for comparing two words of n bits each	Apr 1, 2008	Jul 6, 2024	Atmel Corp	NT0-59/US
564	7,352,640	US	High-Speed, Self-Synchronized Current Sense Amplifier	Apr 1, 2008	Aug 9, 2026	Atmel Corp	ATM-477/US
565	7,353,300	US	Method and Apparatus to Improve the Firmware Efficiency for Multiframe Serial Interface	Apr 1, 2008	Apr 19, 2026	Atmel Corp	ATM-418/US
566	7,353,417	US	Microcontroller with Synchronized Analog to Digital Converter	Apr 1, 2008	Jan 19, 2025	Atmel Corp	NT0-68/US
567	1770868	DE	Vorrichtung zum Überführen eines komplexwertigen Bandpaßsignals in ein digitales Basisbandsignal	Apr 2, 2008	Sep 22, 2026	Atmel Corp	P000120/DE/2
568	1675033	DE	Verfahren zur drahtlosen Datentübertragung	Apr 9, 2008	Dec 9, 2025	Atmel Corp	P000109/DE/2
569	102006030767.04-09	DE	Verfahren, Transponder and System zum sicheren Datenaustausch	Apr 10, 2008	Jun 23, 2026	Atmel Corp	P000259/DE/1
570	102006057602.0-09	DE	Verfahren zur drahtlosen Datentübertragung zwischen einer Basisstation und einem passiven Transponder sowie passiver Transponder	Apr 10, 2008	Nov 27, 2026	Atmel Corp	P000243/DE/1
571	7,358,181	US	Method for Structuring a Semiconductor Device	Apr 15, 2008	Mar 9, 2025	Atmel Corp	P802062/US/1

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
572	7,358,713	US	Constant voltage source with output current limitation	Apr 15, 2008	Dec 13, 2026	Atmel Corp	P000180/US/1
573	7,359,436	US	Method for Automatic Detection of the Data Rate in a Network, Particularly a CAN bus Type Network, and for Configuration to the Detected Data rate, Corresponding Device	Apr 15, 2008	Sep 13, 2024	Atmel Corp	NTO-60/US
574	7,359,472	US	Method and apparatus for wireless data transmission	Apr 15, 2008	Apr 13, 2025	Atmel Corp	P801467/US/1
575	7,362,147	US	Integrated Circuit	Apr 22, 2008	Jun 12, 2026	Atmel Corp	P000178/US/1
576	1699089	DE	Verfahren und Giefform zur Herstellung eines optischen Halbleitermoduls	Apr 23, 2008	Feb 25, 2026	Atmel Corp	P000149/DE/2
577	7,365,585	US	Apparatus and Method for Charge Pump Slew Rate Control	Apr 29, 2008	Aug 9, 2026	Atmel Corp	ATM-PT005/US
578	7,369,446	US	Method and Apparatus to Prevent High Voltage Supply Degradation for High- Voltage Latches of a Non-Volatile Memory	May 6, 2008	Jul 13, 2026	Atmel Corp	ATM-483/US
579	7,369,628	US	Method for gaining time information and receiver for implementing the method	May 6, 2008	Jan 28, 2025	Atmel Corp; C-MAX Europe GmbH	P000018/US/1
580	698 39 487.9	DE	Eight-Bit Microcontroller Having a RISC Architecture	May 14, 2008	Mar 13, 2018	Atmel Corp	ATM-092/DE
581	7,375,503	US	System for Current Sensing in Switched DC-to-DC Converters	May 20, 2008	Jan 11, 2026	Atmel Corp	3650P/US
582	7,375,506	US	A comparison device for a input signal with a reference signal and correspondent electronic circuit.	May 20, 2008	Jul 28, 2026	Atmel Corp	NTO-82/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
583	7,375,600	US	Integrated Quartz Oscillator Circuit	May 20, 2008	Jul 10, 2026	Atmel Corp	P000183/US/1
584	7,376,391	US	Wireless data transmission between base station and transponder with encoding/decoding parameter adjusted dependent on header symbol duration	May 20, 2008	Jul 21, 2024	Atmel Corp	P801370/US/1
585	202008001970.2	DE	Tilting Touch Control Panel	May 21, 2008	Feb 13, 2018	Atmel Corp	P028363QRG/UTM/DE
586	7,378,919	US	Planar microwave line with a directional change	May 27, 2008	Oct 28, 2025	Atmel Corp	P000092/US/1
587	7,379,338	US	Method and System for Regulating a Program Voltage Value During Multilevel Memory Device Programming	May 27, 2008	May 5, 2025	Atmel Corp	3185C/COA/US
588	7,382,307	US	Pipelined Analog-to-Digital Converter having a Power Optimized Programmable Data Rate	Jun 3, 2008	Oct 3, 2026	Atmel Corp	ATM-PT009/US
589	7,385,263	US	Low Resistance Integrated MOS Structure	Jun 10, 2008	May 2, 2026	Atmel Rousset	ATM-PT001/US
590	7,385,455	US	Monolithic Integrated Circuit with Integrated Interference Suppression Device	Jun 10, 2008	Jul 17, 2026	Atmel Corp	P000174/US/1
591	7,385,950	US	Method of Transmitting Data with Optimized Transmission Rate using Packet Header that Defines Data Encoding Parameters	Jun 10, 2008	Jul 31, 2022	Atmel Corp	P303529/US/2
592	7,389,373	US	Asynchronous arbitration device and microcontroller comprising such an arbitration device	Jun 17, 2008	Jun 30, 2026	Atmel Corp	NT0-83/US
593	102006026914.4-09	DE	Verfahren zum Umschalten eines Systemtakts and Takt synchronisierungsvorrichtung	Jun 18, 2008	Jun 9, 2026	Atmel Corp	P000210/DE/1

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
594	1801599	DE	Messeinrichtung zur Kapazitiven Druckmessung	Jun 18, 2008	Dec 14, 2026	Atmel Corp	P000144/DE/2
595	7,391,081	US	Method for Simultaneous Fabrication of a Nanocrystal and Non-Nanocrystal Device	Jun 24, 2008	Oct 13, 2024	Atmel Corp	ATM-524/DVA/US
596	7,392,448	US	Method and Apparatus for Determining Stuck-At Fault Locations in Cell Chains Using Scan Chains	Jun 24, 2008	Aug 17, 2025	Atmel Corp	3427P/US
597	7,395,435	US	Secure Memory Device for Smart Cards	Jul 1, 2008	Sep 20, 2022	Atmel Corp	ATM-184/US
598	7,396,739	US	Method for integrating an electronic component or similar into a substrate	Jul 8, 2008	Feb 17, 2026	Atmel Corp	P000100/US/1
599	7,397,109	US	Method for integration of three bipolar transistors in a semiconductor body, multilayer component, and semiconductor arrangement	Jul 8, 2008	Jul 29, 2025	Atmel Corp	P000032/US/1
600	7,397,723	US	Fast Read Port for Register File	Jul 8, 2008	May 17, 2025	Atmel Corp	ATM-555/DVC/US
601	1811434	DE	Verfahren zur Zugriffssteuerung	Jul 16, 2008	Jan 11, 2027	Atmel Corp	P000246/DE/2
602	7,402,482	US	Non-Volatile Transistor Memory Array Incorporating Read-Only Elements with Single Mask Set	Jul 22, 2008	Mar 26, 2024	Atmel Corp	ATM-440/DVA/US
603	7,402,846	US	Electrostatic Discharge (ESD) Protection Structure and a Circuit Using the Same	Jul 22, 2008	Oct 20, 2025	Atmel Corp	3632P/US
604	7,404,049	US	Method and System for Managing Address Bits During Buffered Program Operations in a Memory Device	Jul 22, 2008	May 6, 2025	Atmel Corp	3221P/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
605	7,405,546	US	Standard CMOS Low-Noise High-PSRR Low Drop-Out Regulator with New Dynamic Compensation	Jul 29, 2008	Apr 29, 2025	Atmel Corp	ATM-355/US
606	7,406,100	US	Bi-Directional Single Wire Interface	Jul 29, 2008	May 21, 2023	Atmel Corp	ATM-246/US
607	7,407,851	US	DMOS Device with Sealed Channel Processing	Aug 5, 2008	Mar 22, 2026	Atmel Corp	ATM-357/US
608	7,408,375	US	Method and Testing Apparatus for Testing Integrated Circuits	Aug 5, 2008	Feb 26, 2027	Atmel Corp	P303739/US/2
609	7,408,812	US	Low-Voltage Single-Layer Polysilicon EEPROM Memory Cell	Aug 5, 2008	May 18, 2024	Atmel Corp	ATM-520/DVA/US
610	7,411,913	US	Process for automatically detecting the throughput of a network, particularly of a CAN Bus type and for configuring with the detected throughput by transition analysis, and corresponding device	Aug 12, 2008	Jan 19, 2025	Atmel Corp	NT0-64/US
611	1742166	DE	Verfahren zur Zugriffssteuerung auf einen Transponder	Aug 13, 2008	Jun 30, 2026	Atmel Corp	P000182/DE/2
612	7,414,477	US	Distributed amplifier topologies with improved gain bandwidth product	Aug 19, 2008	Feb 3, 2026	Atmel Corp	P000112/US/1
613	7,414,891	US	New Erase Verify Method for NAND Type Flash Memories	Aug 19, 2008	Jan 4, 2027	Atmel Corp	ATMSP-047/US
614	7,417,904	US	Adaptive Gate Voltage Regulation	Aug 26, 2008	Oct 31, 2026	Atmel Corp	20275-0031001/US
615	7,418,164	US	Method for forming a photonic band-gap structure and a device fabricated in accordance with such a method	Aug 26, 2008	May 5, 2025	Atmel Corp	P000026/US/1

	Patent No.	C'ty.	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
616	7,420,349	US	Microcontroller Interface with Hall Element	Sep 2, 2008	Aug 30, 2026	Atmel Corp	ATM-480/US
617	7,423,912	US	SONOS Memory Array with Improved Read Disturb Characteristic	Sep 9, 2008	Sep 19, 2026	Atmel Corp	ATM-497/US
618	7,423,928	US	Clock Circuitry for DDR-SDRAM Memory Controller	Sep 9, 2008	Jan 30, 2027	Atmel Corp	ATMSP-039/US
619	RE40486	US	Self-Aligned Non-Volatile Memory Cell	Sep 9, 2008	Nov 30, 2020	Atmel Corp	ATM-402/DVB/US
620	7,425,865	US	Differential Cascode Amplifier	Sep 16, 2008	Dec 28, 2026	Atmel Corp	P000176/US/1
621	RE40507	US	Method of Forming Pre-Metal Dielectric Film on a Semiconductor Substrate Including First Layer of Undoped Oxide of High Ozone: Teos Volume Ratio and Second Layer of Low Ozone Doped BPSG	Sep 16, 2008	Aug 29, 2020	Atmel Corp	ATM-247/RE/US
622	7,427,890	US	Charge Pump Regulator with Multiple Control Option	Sep 23, 2008	Dec 29, 2026	Atmel Corp	ATM-527/US
623	7,428,610	US	Writing to and Configuring Flash Memory	Sep 23, 2008	Feb 14, 2026	Atmel Corp	20275-0005001/US
624	ZL01805411.0	CN	Verfahren und Anordnung zur Störunterdrückung in einer Empfängerschaltung	Sep 26, 2008	Aug 3, 2021	Atmel Corp; Melexis GmbH; Vishay GmbH	P303301/CN/1
625	7,430,150	US	Method and System for Providing Sensing Circuitry in a Multi-Bank Memory Device	Sep 30, 2008	May 5, 2025	Atmel Corp	3236P/US
626	7,433,262	US	Circuits to Delay a Signal from a Memory Device	Oct 7, 2008	Aug 22, 2026	Atmel Corp	ATMSP-041/CIA/US
627	7,435,661	US	Polish Stop and Sealing Layer for Manufacture of Semiconductor Devices with Deep Trench Isolation	Oct 14, 2008	Jan 27, 2026	Atmel Corp	ATM-381/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
628	7,436,232	US	Regenerative Clock Repeater	Oct 14, 2008	Sep 17, 2023	Atmel Corp	ATM-249/US
629	7,436,286	US	Circuit arrangement and method for increasing the functional range of transponder	Oct 14, 2008	Nov 30, 2024	Atmel Corp	P801923/US/1
630	7,437,540	US	Complex domain floating point VLIW DSP with data/program bus multiplexer and microprocessor interface	Oct 14, 2008	Nov 10, 2024	Atmel Corp	ATM-313/US
631	7,437,584	US	Apparatus and Method for Reducing Power Consumption in Electronic Devices	Oct 14, 2008	Feb 27, 2026	Atmel Corp	ATM-PT002/US
632	7,437,616	US	Dual CPU On-Chip-Debug Low-Gate- Count Architecture with Real-Time- Data-Tracing	Oct 14, 2008	Dec 15, 2025	Atmel Corp	ATM-436/US
633	7,439,558	US	Method and System for Controlled Oxygen Incorporation in Compound Semiconductor Films for Device Performance Enhancement	Oct 21, 2008	Nov 4, 2025	Atmel Corp	3506P/US
634	7,439,567	US	Contactless Nonvolatile Memory Array	Oct 21, 2008	Aug 9, 2026	Atmel Corp	ATM-503/US
635	7,440,515	US	System and Method for Controlling Modulation	Oct 21, 2008	Oct 25, 2024	Atmel Corp	3205P/US
636	7,443,260	US	Low Power Oscillator	Oct 28, 2008	Sep 19, 2026	Atmel Corp	20275-0017001/US
637	7,446,596	US	Low Voltage Charge Pump	Nov 4, 2008	May 25, 2027	Atmel Corp	ATM-551/US
638	7,446,690	US	Analog-to-Digital Converter Implementation Programmable Logic Device	Nov 4, 2008	Nov 6, 2026	Atmel Corp	ATM-PT008/US

	Patent No.	C'ty.	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
639	7,447,071	US	Low Voltage Column Decoder Sharing a Memory Array P-well	Nov 4, 2008	Nov 8, 2026	Atmel Corp	ATM-507/US
640	1796175	DE	DMOS-Transistor mit optimierter Randstruktur	Nov 5, 2008	Nov 30, 2026	Atmel Corp	P000154/DE/2
641	7,450,429	US	Method and Apparatus for a Dual Power Supply to Embedded Non- Volatile Memory	Nov 11, 2008	Feb 18, 2025	Atmel Corp	ATMSP-023/COA/US
642	7,451,367	US	Accessing Sequential Data in Microcontrollers	Nov 11, 2008	Feb 14, 2026	Atmel Corp	20275-0004001/US
643	7,452,733	US	Method of Increasing Reliability of Packaged Semiconductor Integrated Circuit Dice	Nov 18, 2008	Sep 14, 2024	Atmel Corp	ATM-495/DVA/US
644	7,453,725	US	Apparatus for Eliminating Leakage Current of a Low Vt Device in a Column Latch	Nov 18, 2008	Oct 6, 2026	Atmel Corp	ATM-501/US
645	7,456,678	US	Apparatus and Method for Providing a Temperature Compensated Reference Current	Nov 25, 2008	Oct 10, 2026	Atmel Corp	ATM-PT006/US
646	ZL200580018259.8	CN	Detector of Differential Threshold Voltage	Nov 26, 2008	Apr 4, 2025	Atmel Corp	ATM-304/CN
647	7,459,368	US	Method for Manufacturing Integrated Circuits Having Silicon-Germanium Heterobipolar Transistors	Dec 2, 2008	Jan 27, 2026	Atmel Corp	P000133/US/1
648	7,460,411	US	Array Source Line (AVSS) Controlled High Voltage Regulation for Programming Flash or EE Array	Dec 2, 2008	Nov 21, 2025	Atmel Corp	ATM-571/DVA/US
649	7,463,990	US	Method for Adjusting an Electronic System	Dec 9, 2008	Jul 31, 2027	Atmel Corp	P000285/US/2
650	7,466,202	US	High-Speed CMOS current mirror	Dec 16, 2008	Apr 9, 2027	Atmel Corp	P000269/US/1

	Patent No.	C'ty.	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
651	7,466,613	US	Sense Amplifier for Flash Memory Device	Dec 16, 2008	Apr 15, 2025	Atmel Corp	ATM-367/US
652	7,471,132	US	Reduced Voltage Pre-charge Multiplexer	Dec 30, 2008	Oct 8, 2024	Atmel Corp	ATM-530/DVA/US
653	7,471,164	US	Oscillator and Method for Operating an Oscillator	Dec 30, 2008	Apr 21, 2025	Atmel Corp	P800087/US/1
654	7,471,656	US	Method and System for Seamless Mobility of Mobile Terminals in a Wireless Network	Dec 30, 2008	Oct 14, 2023	Atmel Corp	2819P/US
655	102004013047.7-09	DE	Verfahren zur Strukturierung einer leitfähigen Schicht eines Halbleiterbauelements	Jan 2, 2009	Mar 10, 2024	Atmel Corp	P802062/DE/3-LR
656	7,478,213	US	Off-Chip Micro Control and Interface in a Multichip Integrated Memory System	Jan 13, 2009	Mar 29, 2026	Atmel Corp	ATM-421/US
657	7,478,224	US	Microprocessor Access of Operand Stack as a Register File Using Native Instructions	Jan 13, 2009	Apr 15, 2025	Atmel Corp	ATM-335/US
658	1769422	DE	Modulator und Modulationsverfahren für eine Einrichtung zur drahtlosen Datenübertragung	Jan 21, 2009	Jul 11, 2025	Atmel Corp	P000072/DE/3
659	7,482,837	US	System and Method for Combining Signals on a Differential I/O link	Jan 27, 2009	Apr 10, 2026	Atmel Corp	3359P/US
660	7,486,657	US	Radio controlled clock and method for retrieving time information from time signals	Feb 3, 2009	Aug 2, 2024	Atmel Corp; C-MAX Europe GmbH	P801508/US/1
661	7,487,287	US	Time Efficient Embedded EEPROM Processor Control Method	Feb 3, 2009	Feb 8, 2026	Atmel Corp	ATM-434/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
662	7,488,663	US	A Semiconductor Article and Method for Manufacturing the Semiconductor Article	Feb 10, 2009	Nov 4, 2025	Atmel Corp	P000066/US/1
663	1867121	DE	Demodulations- und Verstärkungsregelkonzept, insbesondere Kir IR-Empfänger	Feb 11, 2009	Apr 3, 2026	Atmel Corp	P000002/DE/2
664	7,495,250	US	Integrated Circuit Structures Having a Boron- and Carbon-Doped Etch-Stop and Methods, Devices and System Related Thereto	Feb 24, 2009	Oct 26, 2026	Atmel Corp	ATM-511/US
665	1318483	DE	Verfahren zur Erkennung einer Weiterleitung bei einer kontaktlosen Datentübertragung	Feb 25, 2009	Oct 23, 2022	Atmel Corp	P303785/DE/2-LR
666	7,499,334	US	Method and Apparatus for Discharging a Memory Cell in a Memory Device after an Erase Operation	Mar 3, 2009	May 6, 2025	Atmel Corp	3218C/COA/US
667	2006101531234	CN	DMOS-Transistor mit optimierter Randstruktur	Mar 4, 2009	Dec 7, 2026	Atmel Corp	P000154/CN/1
668	1836654	DE	Verfahren zum Orten eines rückstreibebasierten Transponders	Mar 11, 2009	Dec 9, 2025	Atmel Corp	P000110/DE/3
669	4,275,865	JP	Capacitive Sensor and Array	Mar 13, 2009	Jan 26, 2020	Atmel Corp	P017910QQRG/JP
670	7,503,775	US	Integrated Protection Circuit	Mar 17, 2009	Sep 5, 2027	Atmel Corp	P000307/US/2
671	7,505,326	US	Programming Pulse Generator	Mar 17, 2009	Oct 31, 2026	Atmel Corp	20275-0030001/US
672	7,506,205	US	Debugging System and Method for Use with Software Breakpoint	Mar 17, 2009	Feb 14, 2026	Atmel Corp	20275-0002001/US

	Patent No.	C'ty	Title	Issue	Expiration (estimated)	Donor(s)	Atmel Ref.
673	7,506,206	US	Mechanism for Providing Program Breakpoints in a Microcontroller with Flash Program Memory	Mar 17, 2009	Jun 7, 2025	Atmel Corp	3541 P/US
674	7,506,228	US	Measuring the Internal Clock Speed of an Integrated Circuit	Mar 17, 2009	Feb 14, 2026	Atmel Corp	20275-0006001/US
675	102004013837.0-09	DE	Verfahren zur drahtlosen Datenübertragung	Mar 19, 2009	Mar 16, 2024	Atmel Corp	P801925/DE/1
676	7,508,276	US	Frequency modulator	Mar 24, 2009	Apr 13, 2027	Atmel Corp	P000217/US/1
677	7,511,541	US	Electronic device for controlling an external load, in which the output signal slope is independent from the capacity of the external load, and corresponding integrated component	Mar 31, 2009	Feb 28, 2027	Atmel Corp	NT0-91/US
678	7,512,008	US	Circuit to Control Voltage Ramp Rate	Mar 31, 2009	Nov 30, 2025	Atmel Corp	ATM-410/US
679	102004005948.9-09	DE	MOS-Transistor und Verfahren zur Herstellung einer MOS- Transistorstruktur	Apr 2, 2009	Feb 2, 2024	Atmel Corp	P303694/DE/3-LR
680	102004020956.1-09	DE	Kommunikationsverfahren in RFID- oder Remote-Sensor-Systemen	Apr 2, 2009	Apr 28, 2024	Atmel Corp	P000082/DE/1
681	102007027612.7-09	DE	Monolithisch integrierte Induktivität	Apr 2, 2009	Jun 12, 2027	Atmel Corp	P000308/DE/1
682	7,515,140	US	Capacitive Sensor	Apr 7, 2009	Feb 11, 2025	Atmel Corp	P019184QRG/US
683	7,515,469	US	Column Redundancy RAM for Dynamic BIT replacement in Flash Memory	Apr 7, 2009	Sep 27, 2027	Atmel Corp	ATM-545/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
684	102005049931.7-09	DE	Sende-/Empfangsvorrichtung	Apr 9, 2009	Oct 19, 2025	Atmel Corp	P000140/DE/1
685	102007053874.1-09	DE	Monolithisch integrierter Schaltkreis und Verwendung eines Halbleiterschalters	Apr 9, 2009	Nov 9, 2027	Atmel Corp	P000359/DE/1
686	7,518,345	US	Device for converting a continuous supply voltage into a continuous output voltage and corresponding electronic circuit	Apr 14, 2009	Jul 20, 2026	Atmel Corp	NT0-85/US
687	7,518,549	US	Circuit Arrangement for Processing Satellite Signals	Apr 14, 2009	Sep 5, 2027	Atmel Corp	P000309/US/2
688	7,519,486	US	Method and Apparatus to Test the Power-on-Reset Trip Point of an Integrated Circuit	Apr 14, 2009	Mar 31, 2026	Atmel Corp	ATMSP-043/US
689	2,449,730	GB	Two-Dimensional Position Sensor	Apr 15, 2009	Apr 2, 2028	Atmel Corp	P029194QRG/GB
690	7,521,312	US	Method and System for Creating Self- Aligned Twin Wells with Co-Planar Surfaces in a Semiconductor Device	Apr 21, 2009	Jan 5, 2027	Atmel Corp	3364P/US
691	7,521,756	US	DMOS-TRANSISTOR WITH OPTIMIZED PERIPHERY STRUCTURE	Apr 21, 2009	Dec 11, 2026	Atmel Corp	P000154/US/1
692	7,521,996	US	Differential Amplifier and Radio System with a Differential Amplifier	Apr 21, 2009	Feb 1, 2027	Atmel Corp	P000228/US/1
693	7,522,002	US	Biasing Current to Speed Up Current Mirror Settling Time	Apr 21, 2009	Jan 4, 2027	Atmel Corp	ATMSP-050/US
694	7,522,463	US	Sense Amplifier with Two Parallel Stages to Erase Mismatch of Capacitance in Current Mirror Load	Apr 21, 2009	Jan 12, 2027	Atmel Corp	3946P/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
695	7,525,294	US	High Voltage Regulator System Compatible with Low-Voltage Technologies and Corresponding Electronic Circuit	Apr 28, 2009	Dec 15, 2025	Atmel Corp	NTO-76/US
696	7,525,856	US	Method to Manage External Voltages for Semiconductor Memory Testing With Serial Interface	Apr 28, 2009	Apr 4, 2027	Atmel Corp	ATMSP-053/US
697	7,535,245	US	Integrated Circuit with integrated circuit section to aid in testing	May 19, 2009	Oct 26, 2026	Atmel Corp	P000179/US/1
698	7,535,300	US	Operational Amplifier	May 19, 2009	Apr 30, 2027	Atmel Corp	P000215/US/1
699	7,535,362	US	circuit arrangement and method for supplying power to a transponder	May 19, 2009	Feb 9, 2026	Atmel Corp	P000143/US/1
700	7,538,437	US	Infrared Receiver Chip	May 26, 2009	Mar 3, 2025	Atmel Corp	P000051/US/1
701	7,539,078	US	Circuits to Delay a Signal from a Memory Device	May 26, 2009	Aug 22, 2026	Atmel Corp	ATMSP-040/US
702	7,539,965	US	Circuit layout with active components and high breakdown voltage	May 26, 2009	Aug 5, 2025	Atmel Corp	P303555/US/1
703	7,540,298	US	System, Apparatus and Method for Contaminant Reduction in Semiconductor Device Fabrication Equipment Components	Jun 2, 2009	Mar 15, 2024	Atmel Corp	ATM-467/COA/US
704	7,541,249	US	Process for producing a base connection of a bipolar transistor	Jun 2, 2009	Mar 31, 2025	Atmel Corp	P802061/US/1
705	7,541,250	US	Method for Forming A Self-Aligned Twin Well Region with Simplified Processing	Jun 2, 2009	Mar 7, 2026	Atmel Corp	3361P/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
706	1032873	DE	Apparatus for Multiprecision Integer Arithmetic	Jun 3, 2009	Nov 4, 2018	Atmel Corp	ATM-269/DE
707	7,550,758	US	Method for Providing a Nanoscale, High Electron Mobility Transistor (H EMT) on Insulator	Jun 23, 2009	Oct 31, 2026	Atmel Corp	ATM-514/US
708	7,550,954	US	Method and Circuit for a Voltage Supply for Real Time Clock Circuitry Based on Voltage Regulated Charge Pump	Jun 23, 2009	Aug 15, 2026	Atmel Corp	ATM-460/US
709	7,550,992	US	Logic cell having two isolated redundant outputs, and correspondent integrated circuit	Jun 23, 2009	Aug 18, 2026	Atmel Rousset	NT0-87/US
710	7,551,016	US	Programmable Clock Generator Apparatus, Systems and Methods	Jun 23, 2009	Feb 4, 2025	Atmel Corp	ATMSP-025/US
711	7,551,702	US	Method and Circuit Arrangement for Synchronizing a Function Unit with a Predetermined Clock Frequency	Jun 23, 2009	Feb 10, 2025	Atmel Corp	P303440/US/1
712	1798858	DE	PLL-Frequenzgenerator	Jun 24, 2009	Dec 8, 2026	Atmel Corp	P000223/DE/2
713	ZL200480023800.X	CN	Low Voltage Circuit for Interfacing with High Voltage Analog Signals	Jun 24, 2009	May 27, 2024	Atmel Corp	ATM-240/CN
714	7,554,151	US	Low Voltage Non-Volatile Memory Cell with Electrically Transparent Control Gate	Jun 30, 2009	Nov 3, 2025	Atmel Corp	ATM-427/US
715	7,554,288	US	Random Number Generator in a Battery Pack	Jun 30, 2009	Mar 10, 2026	Atmel Corp; Sony Corp (Japan)	20275-0011002/US
716	7,554,865	US	Randomizing Current Consumption in Memory Devices	Jun 30, 2009	Sep 21, 2026	Atmel Corp	20275-0022001-L/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
717	7,555,514	US	Packed Add-Subtract Operation in a Microprocessor	Jun 30, 2009	Feb 13, 2026	Atmel Corp	ATM-448/US
718	1503473	DE	Monolithisch integrierbare Schaltungsanordnung zum Überspannungsschutz	Jul 1, 2009	Jul 24, 2024	Atmel Corp	P303500/DE/2
719	7,560,334	US	Method and System for Incorporating High Voltage Devices in an EEPROM	Jul 14, 2009	Oct 20, 2025	Atmel Corp	3716P/US
720	7,561,485	US	Sense Architecture:Bit-Lines Capacitance Matching and New Type of Local Reference	Jul 14, 2009	Jan 12, 2027	Atmel Corp	3947P/US
721	7,563,694	US	Scribe Based Bond Pads for Integrated Circuits	Jul 21, 2009	Dec 1, 2026	Atmel Corp	3983P-L/US
722	7,564,137	US	Stackable Integrated Circuit Structures and Systems Devices and Methods Related Thereto	Jul 21, 2009	Apr 27, 2026	Atmel Corp	ATM-529/CIA/US
723	7,564,385	US	Current Compensation for Digital-to-Analog Converter	Jul 21, 2009	Dec 18, 2027	Atmel Corp	20275-0067001/US
724	7,564,936	US	Process and Electronic Decoding Circuit for a Diphasic Asynchronous frame whose length is not known in advance, corresponding application, computer programme and storage means	Jul 21, 2009	Nov 19, 2024	Atmel Corp	NT0-74/US
725	102004013156.2-53	DE	Verfahren zur Datentibertragung in RFID- oder Remote-Sensor-Systemen	Jul 23, 2009	Mar 17, 2024	Atmel Corp	P000063/DE/1
726	7,567,448	US	Content Addressable Memory Cell Having a Single Floating Gate Transistor	Jul 28, 2009	Jan 5, 2027	Atmel Rousset	3965P/US
727	7,569,458	US	Non-Thermally Annealed Doped Semiconductor Material and Methods Related Thereto	Aug 4, 2009	Apr 22, 2025	Atmel Corp	ATM-547/COA/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
728	7,569,913	US	Boron Etch-Stop Layer and Methods Related Thereof	Aug 4, 2009	Oct 26, 2026	Atmel Corp	ATM-510/US
729	7,570,188	US	Common Mode Management Between A Current-Slewing DAC and Transconductance Filter in a Transmission System	Aug 4, 2009	Aug 8, 2026	Atmel Rousset	3868P/COA/US
730	7,570,468	US	Noise Immune RC Trigger for ESD Protection	Aug 4, 2009	Jun 7, 2027	Atmel Rousset	ATM-487/US
731	7,570,519	US	Method and System for Program Pulse Generation During Programming of Nonvolatile Electronic Devices	Aug 4, 2009	Sep 19, 2025	Atmel Corp	3220P/US
732	1732026	DE	Schaltungsanordnung, insbesondere zur Verwendung in RF-Transpondern oder Remote Sensoren, sowie Verfahren zum Steuern einer Anzahl derartiger Transponder oder Sensoren	Aug 5, 2009	Jun 4, 2025	Atmel Corp	P000191/DE/1
733	7,573,748	US	Column Leakage Compensation in a Sensing Circuit	Aug 11, 2009	Jan 12, 2027	Atmel Corp	3944P/US
734	7,574,184	US	Method and device for detecting occupation by a signal of an adjacent channel	Aug 11, 2009	Aug 31, 2026	Atmel Corp	P000142/US/1
735	7,574,611	US	Command Decoder for Microcontroller-Based Flash Memory Digital Controller System	Aug 11, 2009	Nov 28, 2025	Atmel Corp	3442P/US
736	7,576,678	US	Successive approximation analog/digital converter and associated integrated component and conversion method	Aug 18, 2009	Oct 26, 2027	Atmel Corp	NT0-95/US
737	ZL03824334.2	CN	A Flash Memory Architecture With Page Mode Erase Using NMOS and PMOS Row Decoding Scheme	Aug 19, 2009	Sep 4, 2023	Atmel Corp	ATM-230/CN

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
738	7,579,902	US	Charge Pump for Generation of Multiple Output-Voltage Levels	Aug 25, 2009	Dec 11, 2026	Atmel Corp	ATMSP-051/US
739	7,580,291	US	Data Register with Efficient Erase, Program Verify and Direct Bit-Line Memory Access Features	Aug 25, 2009	Jun 8, 2026	Atmel Corp	ATM-420/US
740	1584930	DE	Betriebs- und Auswerte-Schaltung eines Insekten-Sensors	Aug 26, 2009	Mar 11, 2025	Atmel Corp	P000074/DE/2
741	7,583,107	US	Sense Amplifier for Low Voltage Applications	Sep 1, 2009	Sep 27, 2026	Atmel Corp	3835P/US
742	7,583,944	US	Demodulation and Regulation Concept for IR Receivers	Sep 1, 2009	Apr 7, 2026	Atmel Corp	P000002/US/1
743	60 2005 016 563.0	DE	Fuse Data Storage System Using Core Memory	Sep 9, 2009	Jul 25, 2025	Atmel Corp	ATM-324/DE
744	7,589,545	US	Device for Final Inspection	Sep 15, 2009	Feb 28, 2027	Atmel Corp	P000192/US/2
745	7,589,572	US	Method and Device for Managing a Power Supply Power-On Sequence	Sep 15, 2009	Dec 15, 2026	Atmel Corp	ATM-506/US
746	7,590,087	US	Methods for wireless data transmission between a base station and one or more transponders	Sep 15, 2009	Mar 15, 2025	Atmel Corp	P801924/US/1
747	1984870	DE	Verfahren und Vorrichtung zur Falschungssicherung von Produkten	Sep 16, 2009	Nov 16, 2027	Atmel Corp	P000356/DE/2
748	102005050484.1-09	DE	Monolithisch integrierbare Schaltungsanordnung	Sep 21, 2009	Oct 21, 2025	Atmel Corp	P000200/DE/1
749	7,592,872	US	Differential Amplifier with Single Ended Output	Sep 22, 2009	Oct 10, 2027	Atmel Corp	4252P/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
750	7,592,879	US	Integrated circuit having at least one integrated transmission line	Sep 22, 2009	Sep 26, 2026	Atmel Corp	P000199/US/1
751	7,592,919	US	Circuit Arrangement for Use in RF Transponders and Method for Controlling a Number of Such Transponders	Sep 22, 2009	Jun 27, 2026	Atmel Corp	P000181/US/1
752	7,595,608	US	Gate Driver for a Battery Pack	Sep 29, 2009	Mar 10, 2026	Atmel Corp	20275-0010001/US
753	7,596,365	US	Device for transmitting and receiving	Sep 29, 2009	Oct 19, 2026	Atmel Corp	P000140/US/1
754	7,596,719	US	Microcontroller Information Extraction System and Method	Sep 29, 2009	Feb 14, 2026	Atmel Corp	20275-0003001/US
755	ZL200510005965.0	CN	Verfahren zur Gewinnung von Zeitinformationen und Funkuhr	Sep 30, 2009	Jan 31, 2025	Atmel Corp; C-MAX Europe GmbH	P000018/CN/1
756	7,598,782	US	Circuit for changing a frequency	Oct 6, 2009	Jan 11, 2025	Atmel Corp	P000011/US/1
757	7,598,800	US	System and Method for Ambient-Light Adaptive Intensity Control for an Electronic Display	Oct 6, 2009	Jun 26, 2027	Atmel Corp	SILIP104/US
758	7,598,819	US	Electronic circuit with transistors sharing one and the same well	Oct 6, 2009	Dec 19, 2025	Atmel Corp	NT0-79/US
759	7,599,231	US	Adaptive Regulator for Idle State in a Charge Pump Circuit of a Memory Device	Oct 6, 2009	Oct 11, 2026	Atmel Corp	ATM-PT007/US
760	7,600,090	US	Microcontroller Based Flash Memory Digital Controller System	Oct 6, 2009	Nov 28, 2025	Atmel Corp	3441 P/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
761	1675041	DE	Backscatter Transponder	Oct 7, 2009	Dec 14, 2025	Atmel Corp	P801902/DE/2
762	200580011425.1	CN	Verfahren und Vorrichtung zum Erkennen von Funktionszuständen in RFID- oder Remote-Sensor-Systemen	Oct 7, 2009	Apr 12, 2025	Atmel Corp	P000004/CN/1
763	60 2006 009 591.0	DE	Logic Cell Having Two Isolated Redundant Outputs, and correspondent Integrated Circuit	Oct 7, 2009	Jul 28, 2026	Atmel Rousset	NTO-87/DE
764	4,386,467	JP	Eight-Bit Microcontroller Having a RISC Architecture	Oct 9, 2009	Mar 13, 2018	Atmel Corp	ATM-092/JP
765	7,601,568	US	MOS-Transistor and Method for Producing a MOS-Transistor Structure	Oct 13, 2009	Jan 31, 2025	Atmel Corp	P303694/US/2
766	7,601,584	US	Semiconductor Array and Method for Manufacturing a Semiconductor Array	Oct 13, 2009	Nov 4, 2025	Atmel Corp	P000065/US/1
767	7,601,604	US	Method for Fabricating Conducting Plates for a High-Q MIM Capacitor	Oct 13, 2009	Oct 12, 2026	Atmel Corp	ATM-516/US
768	603 29 675.0	DE	Ultra Small Thin Windows in Floating Gate Transistors Defined by Lost Nitride Spacers	Oct 14, 2009	Apr 4, 2023	Atmel Corp	ATM-212/DE
769	7,605,047	US	Method for the Integration of Two Bipolar Transistors in a Semiconductor Body, Semiconductor Arrangement in a Semiconductor Bbody, and Cascode Circuit	Oct 20, 2009	Mar 3, 2026	Atmel Corp	P000135/US/1
770	7,605,450	US	High Frequency Arrangement	Oct 20, 2009	Feb 23, 2026	Atmel Corp	P000115/US/1
771	7,605,568	US	Deep Under Voltage Recovery in a Battery Pack	Oct 20, 2009	Mar 10, 2026	Atmel Corp; Sony Corp (Japan)	20275-0008001/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
772	7,605,617	US	Method for Switching a System Clock and Clock Synchronization Unit	Oct 20, 2009	Jun 11, 2027	Atmel Corp	P000210/US/1
773	7,606,058	US	Autonomous Antifuse Cell	Oct 20, 2009	Mar 14, 2026	Atmel Corp	ATM-560/COA/US
774	2047608	DE	Korrelationsvorrichtung	Oct 21, 2009	May 14, 2028	Atmel Corp	P000358/DE/2
775	ZL200410055723.8	CN	Funkuhr	Oct 21, 2009	Aug 2, 2024	Atmel Corp; C-MAX Europe GmbH	P801508/CN/1
776	7,609,098	US	Driver circuit for electronic components	Oct 27, 2009	May 5, 2026	Atmel Corp	P000161/US/1
777	7,609,147	US	Method and Apparatus for Improving Wireless Data Transmission	Oct 27, 2009	Mar 24, 2025	Atmel Corp	P000023/US/1
778	7,610,528	US	Configuring Flash Memory	Oct 27, 2009	Feb 14, 2026	Atmel Corp	20275-0007001/US
779	7,612,421	US	Electronic Device with Dopant Diffusion Barrier and Tunable Work Function and Methods of Making Same	Nov 3, 2009	Oct 11, 2025	Atmel Corp	ATM-422/US
780	7,612,611	US	Amplifier Circuit	Nov 3, 2009	Mar 28, 2028	Atmel Corp	P000340/US/2
781	7,613,907	US	Embedded Software Camouflage Against Code Reverse Engineering	Nov 3, 2009	Nov 9, 2026	Atmel Corp	20275-0028001-L/US
782	7,613,987	US	Method for wireless data transmission	Nov 3, 2009	Mar 16, 2025	Atmel Corp	P801925/US/1
783	7,616,050	US	Power Supply Circuit for Producing a Reference Current with a Prescribable Temperature Dependence	Nov 10, 2009	Dec 14, 2025	Atmel Corp	P000050/US/1

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
784	7,616,072	US	Integrated circuit and Receiver of a Global Positioning Systems (GPS)	Nov 10, 2009	Sep 5, 2027	Atmel Corp	P000304/US/2
785	60330052.9-08	DE	Means for Communicating With USB Smart Cards Using Full-Speed or High- Speed Transfers	Nov 11, 2009	Dec 10, 2023	Atmel Corp	ATM-241-L/DE
786	1317130	TW	A Flash Memory Architecture With Page Mode Erase Using NMOS and PMOS Row Decoding Scheme	Nov 11, 2009	Oct 2, 2023	Atmel Corp	ATM-230/TW
787	10131705	DE	Verfahren zur Herstellung eines DMOS- Transistors	Nov 12, 2009	Jun 29, 2021	Atmel Corp	P303632/DE/3-LR
788	ZL200480033548.0	CN	Method of forming a low voltage gate oxide layer and tunnel oxide layer in an EEPROM cell	Nov 16, 2009	Nov 16, 2024	Atmel Corp	ATM-262/CN
789	7,619,252	US	Integrated Circuit Having a Predefined Dielectric Strength	Nov 17, 2009	Aug 4, 2025	Atmel Corp	P000041/US/1
790	7,622,944	US	A Method to Reduce Power in Active Shield Circuits that Use Complimentary Traces	Nov 24, 2009	Dec 26, 2026	Atmel Corp	ATM-573/COA/US
791	102004005503.3-35	DE	Verfahren zur Frequenzumsetzung und Empfanger	Nov 26, 2009	Jan 30, 2024	Atmel Corp	P303704/DE/3-LR
792	7,626,247	US	Electronic Package with Integral Electromagnetic Radiation Shield and Methods Related Thereto	Dec 1, 2009	Dec 22, 2025	Atmel Corp	3714P/US
793	7,626,427	US	Voltage comparator	Dec 1, 2009	Aug 4, 2025	Atmel Corp	P000081/US/1
794	ZL200610136090.2	CN	Sende-/Empfangsvorrichtung	Dec 2, 2009	Oct 19, 2026	Atmel Corp	P000140/CN/1

	Patent No.	Ctry.	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
795	7,629,649	US	Method and Materials to Control Doping Profile in Integrated Circuit Substrate Material	Dec 8, 2009	May 9, 2026	Atmel Corp	ATM-396/US
796	7,629,769	US	Power Surge Filtering in Over-Current and Short Circuit Protection	Dec 8, 2009	Mar 10, 2026	Atmel Corp; Sony Corp (Japan)	20275-0009001/US
797	7,629,847	US	Opposing Currents Differential Amplifier	Dec 8, 2009	Mar 24, 2028	Atmel Corp	20275-0078001/US
798	7,629,859	US	Integrated Resonance Circuit	Dec 8, 2009	May 17, 2027	Atmel Corp	P000272/US/1
799	1433264	DE	Verfahren zum Verbessern der Leistungsfähigkeit eines RFID- Transponders	Dec 9, 2009	Oct 4, 2022	Atmel Corp	P000084/DE/1
800	603 30 481.8	DE	Sense Amplifier with Configurable Voltage Swing Control	Dec 9, 2009	Aug 11, 2023	Atmel Corp	ATM-197/DE
801	7,633,111	US	Semiconductor structure	Dec 15, 2009	Aug 5, 2025	Atmel Corp	P801926/US/1
802	7,633,328	US	Mixer stage and method for mixing two signals having different frequencies	Dec 15, 2009	Jan 24, 2026	Atmel Corp	P000124/US/1
803	7,633,352	US	Integrated tunable resonance circuit	Dec 15, 2009	May 17, 2027	Atmel Corp	P000279/US/1
804	7,633,359	US	Monolithically Integratable Circuit Arrangement	Dec 15, 2009	Jul 30, 2027	Atmel Corp	P000262/US/2
805	7,633,422	US	Transducer Device	Dec 15, 2009	May 15, 2028	Atmel Corp	P000346/US/2
806	7,633,460	US	Antenna for a backscatter-based RFID transponder	Dec 15, 2009	Dec 10, 2027	Atmel Corp	P000284/US/2
807	7,633,800	US	Redundancy Scheme in Memory	Dec 15, 2009	Aug 8, 2027	Atmel Corp	ATM-452/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
808	7,633,806	US	Memory Device with a Non-Volatile Memory Array	Dec 15, 2009	May 21, 2027	Atmel Corp	P000276/US/2
809	7,633,996	US	Method and device for determining the occupancy of a transmission channel	Dec 15, 2009	Jun 7, 2026	Atmel Corp	P000122/US/1
810	7,635,925	US	Analog Combination Regulator	Dec 22, 2009	Oct 4, 2026	Atmel Corp	20275-0021001-L/US
811	7,636,264	US	Single-Ended Sense Amplifier for Very Low Voltage Applications	Dec 22, 2009	Feb 9, 2027	Atmel Corp	ATM-537/US
812	7,636,797	US	LPC Configuration Sharing Method	Dec 22, 2009	May 4, 2025	Atmel Corp	ATM-348/US
813	7,638,862	US	Die Attach Paddle for Mounting Integrated Circuit Die	Dec 29, 2009	Oct 13, 2024	Atmel Corp	ATM-562/COA/US
814	7,639,091	US	Device for Generation of a Reference Frequency and Corresponding Electronic Circuit	Dec 29, 2009	Jul 20, 2026	Atmel Corp	NT0-84/US
815	7,639,764	US	Method and Apparatus for Synchronizing Data Between Different Clock Domains In A Memory Controller	Dec 29, 2009	Aug 17, 2025	Atmel Corp	3444P/US
816	7,640,398	US	High Speed Interface for High-Density Flash With Two Levels of Pipelined Cache	Dec 29, 2009	Jul 11, 2025	Atmel Corp	ATM-346/US
817	1821405	DE	Verfahren zur Spannungsbegrenzung bei einem Transponder	Dec 30, 2009	Feb 9, 2027	Atmel Corp	P000242/DE/2
818	7,642,181	US	LOCOS Self-Aligned Twin Well with A Co-Planar Silicon Surface	Jan 5, 2010	Jan 30, 2026	Atmel Corp	3362P/US
819	7,642,815	US	Sense Amplifier	Jan 5, 2010	Sep 14, 2027	Atmel Corp	20275-0048001/US

	Patent No.	C'ty.	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
820	7,642,872	US	Low Cost and Low Variation Oscillator	Jan 5, 2010	May 24, 2027	Atmel Corp	ATM-550/US
821	2005100518187	CN	Infrarot-Empfänger-Chip	Jan 6, 2010	Mar 2, 2025	Atmel Corp	P000051/CN/1
822	7,646,645	US	Method and Apparatus for Testing the Functionality of a Page Decoder	Jan 12, 2010	Apr 13, 2027	Atmel Corp	4140P/US
823	7,647,486	US	Method and System Having Instructions with Different Execution Times in Different Modes, Including a Selected Execution Time Different from Default Execution Times in a First Mode and a Random Execution Time in a Second Mode	Jan 12, 2010	May 2, 2026	Atmel Corp	3531 P-L/US
824	102008053534.6-31	DE	Sklavenschaltung eines LIN-Busses und Verfahren zum Betrieb	Jan 14, 2010	Oct 28, 2028	Atmel Corp	P000419/DE/1
825	1624567	DE	Spannungskomparator	Jan 20, 2010	Aug 2, 2025	Atmel Corp	P000081/DE/2
826	102004006446.6-09	DE	Verfahren und Schaltungsanordnung zur drahtlosen Datenübertragung	Jan 25, 2010	Feb 3, 2024	Atmel Corp	P801943/DE/3-LR
827	7,651,919	US	Bandgap and Recombination Engineered Emitter Layers for SiGe HBT Performance Optimization	Jan 26, 2010	Nov 4, 2025	Atmel Corp	3509P/US
828	7,652,455	US	Low Dropout Voltage Regulator with a Voltage Slew Rate Efficient Transient Response Boost Circuit	Jan 26, 2010	Apr 18, 2026	Atmel Corp	ATM-PT004/COA/US
829	7,652,517	US	Method and Apparatus for Generating Synchronous Clock Signals from a Common Clock Signal	Jan 26, 2010	Apr 13, 2027	Atmel Corp	4141 P/US
830	7,652,522	US	High Efficiency Low Cost Bi-Directional Charge Pump Circuit for Very Low Voltage Applications	Jan 26, 2010	Sep 5, 2026	Atmel Corp	3838P/US

	Patent No.	Ctry	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
831	7,652,612	US	Cyclic Pipeline Analog-to-Digital Converter	Jan 26, 2010	Mar 10, 2028	Atmel Corp	ATM-PT015/US
832	7,656,121	US	Soft Transition from Constant-Current to a Constant-Voltage Mode in a Battery Charger	Feb 2, 2010	Feb 22, 2027	Atmel Corp	4008P/US
833	7,656,219	US	Unity Gain Voltage Buffer with Dual- Supply Voltage for Managing Current Consumption in Low Voltage Applications	Feb 2, 2010	Jan 26, 2027	Atmel Corp	ATM-539/US
834	7,656,708	US	Memory Architecture with Advanced Main-Bitline Partitioning Circuitry for Enhanced Erase/Program/Verify Operations	Feb 2, 2010	Jul 12, 2025	Atmel Corp	ATM-564/COA/US
835	2001129	DE	Signalverarbeitungsvorrichtung	Feb 3, 2010	May 9, 2028	Atmel Corp	P000345/DE/2
836	7,660,336	US	Method and device for determining an activation threshold	Feb 9, 2010	Feb 17, 2026	Atmel Corp	P000056/US/1
837	7,661,011	US	Method and Apparatus for a Variable Processing Period in an Integrated Circuit	Feb 9, 2010	Jun 4, 2024	Atmel Corp	ATMSP-015/US
838	7,663,326	US	Temperature Dependant LED Current Controller	Feb 16, 2010	Aug 4, 2027	Atmel Corp	SILIP102/US
839	7,669,072	US	Clock Circuitry Architecture to Improve Electro-Magnetic Compatibility and Optimize Peak of Currents in Micro- Controller	Feb 23, 2010	Jan 30, 2027	Atmel Corp	ATMSP-042/US
840	7,671,642	US	Amplitude Controlled Sawtooth Generator	Mar 2, 2010	Dec 13, 2026	Atmel Corp	ATM-509/US
841	7,675,964	US	Method for Transmitting a Plurality of Information Symbols	Mar 9, 2010	Aug 13, 2021	Atmel Corp	P303281/US/1

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
842	7,678,618	US	Methods for Using Die Attach Paddle For Mounting Integrated Circuit Die	Mar 16, 2010	Oct 13, 2024	Atmel Corp	ATM-561/DVA/US
843	7,679,430	US	Low Voltage Charge Pump	Mar 16, 2010	May 25, 2027	Atmel Corp	ATM-551/COA/US
844	7,679,987	US	Clock Circuitry for DDR-SDRAM Memory Controller	Mar 16, 2010	Jan 30, 2027	Atmel Corp	ATMSP-039/COA/US
845	7,683,592	US	Low Dropout Voltage Regulator with Switching Output Current Boost Circuit	Mar 23, 2010	Sep 6, 2026	Atmel Corp	3884P/US
846	7,683,655	US	Integrated Circuit	Mar 23, 2010	Jan 16, 2028	Atmel Corp	P000321/US/2
847	7,683,699	US	Charge Pump	Mar 23, 2010	Sep 14, 2027	Atmel Corp	20275-0047001/US
848	7,684,244	US	High Density Non-Volatile Memory Array	Mar 23, 2010	May 16, 2027	Atmel Corp	4127P/US
849	7,684,245	US	Non-Volatile Memory Array Architecture with Joined Word Lines	Mar 23, 2010	Oct 30, 2027	Atmel Corp	ATM-500/US
850	1964265	DE	Capacitive Keyboard with Non-Locking Reduced Keying Ambiguity	Mar 24, 2010	Jun 20, 2026	Atmel Corp	P024787QRG/DE
851	7,688,001	US	Method and System for Providing a Charge Pump for Low Voltage Applications	Mar 30, 2010	May 24, 2026	Atmel Corp	3780P/US
852	7,689,640	US	Method and Apparatus for Formatting Numbers in Microprocessors	Mar 30, 2010	Jun 6, 2025	Atmel Corp	ATM-392/US
853	7,689,758	US	Dual Bus Matrix Architecture for Micro- Controllers	Mar 30, 2010	Jul 12, 2027	Atmel Corp	ATMSP-055/US

	Patent No.	Country	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
854	7,689,762	US	Storage Device Wear Leveling	Mar 30, 2010	May 3, 2027	Atmel Corp	20275-0042001-L/US
855	7,692,453	US	Detector of Differential Threshold Voltage	Apr 6, 2010	Aug 11, 2024	Atmel Corp	ATM-556/DVA/US
856	7,692,483	US	Apparatus and Method for Preventing Snap Back in Integrated Circuits	Apr 6, 2010	Oct 10, 2027	Atmel Corp	ATMSP-058/US
857	7,692,546	US	Antenna for a backscatter-based RFID transponder	Apr 6, 2010	Jan 26, 2027	Atmel Corp	P000249/US/2
858	7,693,669	US	Method and Circuit for Detecting a Brown Out Condition	Apr 6, 2010	Apr 12, 2025	Atmel Corp	3300P/US
859	7,696,645	US	Circuit Arrangement for Voltage Switching	Apr 13, 2010	Sep 5, 2028	Atmel Corp	P000303/US/2
860	7,701,271	US	High linearity charge pump method and apparatus	Apr 20, 2010	Sep 24, 2028	Atmel Corp	OZ1710/US
861	7,701,802	US	Circuits to Delay a Signal from a Memory Device	Apr 20, 2010	Aug 22, 2026	Atmel Corp	ATMSP-041/COA/US
862	7,702,488	US	Measuring Device for Capacitive Pressure Measurement	Apr 20, 2010	Dec 14, 2026	Atmel Corp	P000144/US/1
863	7,702,885	US	Firmware Extendable Commands Including a Test Mode Command for a Microcontroller-Based Flash Memory Controller	Apr 20, 2010	Mar 2, 2026	Atmel Corp	3443P/US
864	102009010115.2-09	DE	Schaltung, Verwendung und Verfahren zur Steuerung einer Empfängerschaltung	Apr 26, 2010	Feb 24, 2029	Atmel Corp	P000343/DE/1
865	7,705,420	US	Method for Producing a Conductor Path on a Substrate, and a Component Having a Conductor Path Fabricated in Accordance with Such a Method	Apr 27, 2010	May 5, 2025	Atmel Corp	P000019/US/1

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
866	602 36 121.4	DE	Master-Slave Power Feeding for Serial Connection Links	Apr 28, 2010	Feb 5, 2022	Atmel Corp	NTO-50-L/DE
867	7,710,105	US	Circuit Reset Testing Methods	May 4, 2010	Mar 14, 2026	Atmel Corp	ATM-465/US
868	7,710,213	US	Method for Voltage Limitation in a Transponder	May 4, 2010	Dec 15, 2028	Atmel Corp	P000242/US/1
869	7,710,814	US	Fast Read Port for Register File	May 4, 2010	May 17, 2025	Atmel Corp	ATM-566/COA/US
870	ZL03810297.8	CN	Ultra Small Thin Windows in Floating Gate Transistors Defined by Lost Nitride Spacers	May 5, 2010	Apr 4, 2023	Atmel Corp	ATM-212/CN
871	2076750	DE	Fluidsensor	May 12, 2010	Oct 11, 2027	Atmel Corp	P000316/DE/2
872	ZL200380102390.3	CN	Charge Transfer Capacitive Position Sensor	May 12, 2010	Oct 30, 2023	Atmel Corp	P017658QRG/CN
873	7,719,341	US	MOS Resistor with Second or Higher Order Compensation	May 18, 2010	Oct 25, 2027	Atmel Corp	20275-0060001/US
874	7,723,198	US	Integrated Semiconductor cascode circuit for high-frequency applications	May 25, 2010	Sep 13, 2025	Atmel Corp	P802060/US/1
875	200510006738.X	CN	Funkuhr und Verfahren zur Gewinnung von Zeitinformationen	May 26, 2010	Jan 31, 2025	Atmel Corp; C-MAX Europe GmbH	P000015/CN/1
876	7,728,635	US	High Voltage Tolerant Port Driver	Jun 1, 2010	Oct 28, 2025	Atmel Corp	ATM-419/COA/US
877	7,728,717	US	Switching Regulator, Transceiver Circuit, and Keyless Access Control System	Jun 1, 2010	Aug 20, 2027	Atmel Corp	P000290/US/2

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
878	7,729,553	US	Vector Quantizer Based on N- Dimensional Spatial Dichotomy	Jun 1, 2010	Jan 25, 2026	Atmel Corp	3695P/US
879	1587028	DE	Schaltungsanordnung zur Lastregelung im Empfangspfad eines Trasponders	Jun 2, 2010	Mar 11, 2025	Atmel Corp	P000057/DE/2
880	102008018871.9-09	DE	Empfangerschaltung, Verfahren zum Empfang eines Signals und Verwendung einer Detektionsschaltung und einer Kontrollschaltung	Jun 7, 2010	Apr 14, 2028	Atmel Corp	P000392/DE/1
881	7,733,217	US	Method for Data Transmission in RFID or Remote Sensor Systems	Jun 8, 2010	Mar 17, 2025	Atmel Corp	P000063/US/1
882	102004018556.5-09	DE	Verfahren zur Datenkommunikation zwischen einer Basisstation und einem Transponder	Jun 10, 2010	Apr 14, 2024	Atmel Corp	P000005/DE/1
883	ZL200610169013.7	CN	PLL Frequency Generator	Jun 11, 2010	Dec 15, 2026	Atmel Corp	P000220/CN/1
884	7,737,713	US	Apperatus for hot-probing integrated semiconductor circuits on wafers	Jun 15, 2010	Jul 10, 2026	Atmel Corp	P000172/US/1
885	7,739,539	US	Read-Data Stage Circuitry for DDR- SDRAM Memory Controller	Jun 15, 2010	Oct 13, 2026	Atmel Corp	ATMSP-046/US
886	7,740,465	US	Casting mold for producing an optical semiconductor module	Jun 22, 2010	Mar 3, 2026	Atmel Corp	P000149/US/1
887	7,741,797	US	Method Of Managing Transitions In A Three-Phase BLDC Motor And Corresponding Device	Jun 22, 2010	Jul 20, 2027	Atmel Corp	NTO-94/US
888	7,743,186	US	Serialization of Data for Communication with Different-Protocol Slave in Multi- Chip Bus Implementation	Jun 22, 2010	Apr 27, 2027	Atmel Corp	4093P/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
889	7,746,154	US	Multi-Voltage Multiplexer System	Jun 29, 2010	Sep 27, 2026	Atmel Corp	3823P/US
890	7,746,216	US	Method and circuit arrangement for holding a control state during inadequate power supply in an RF transponder or remote sensor	Jun 29, 2010	Feb 14, 2025	Atmel Corp	P801928/US/1
891	7,746,231	US	Circuit arrangement for load regulation in the receive path of a transponder	Jun 29, 2010	Mar 17, 2025	Atmel Corp	P000057/US/2
892	7,747,790	US	Integrated driver circuit for a lin bus wherein circuit is operable between an older lin bus specification or a newer lin bus specification	Jun 29, 2010	Nov 29, 2027	Atmel Corp	P000332/US/2
893	7,751,248	US	Indirect Measurement of Negative Margin Voltages in Endurance Testing of EEPROM Cells	Jul 6, 2010	Mar 29, 2026	Atmel Corp	ATM-364/COA/US
894	7,751,256	US	Method and Apparatus to Prevent High Voltage Supply Degradation for High-Voltage Latches of a Non-Volatile Memory	Jul 6, 2010	Jul 13, 2026	Atmel Corp	ATM-565/COA/US
895	7,752,427	US	Stack Underflow Debug With Sticky Base	Jul 6, 2010	Dec 9, 2025	Atmel Corp	ATM-439/US
896	1993212	DE	Wandlervorrichtung	Jul 14, 2010	May 13, 2028	Atmel Corp	P000346/DE/3
897	7,759,902	US	Single Chip Microcontroller Including Battery Management and Protection	Jul 20, 2010	Jan 18, 2026	Atmel Corp	3449P/US
898	7,760,047	US	Coupling Element for Electromagnetic Coupling of at least Two Conductors of a Transmission Line	Jul 20, 2010	Nov 15, 2026	Atmel Corp	P000219/US/1
899	7,760,476	US	Threshold Voltage Method and Apparatus for ESD Protection	Jul 20, 2010	Jun 7, 2027	Atmel Corp	ATM-546/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
900	7,761,632	US	Serialization of Data for Communication with Slave in Multi-Chip Bus Implementation	Jul 20, 2010	Apr 27, 2027	Atmel Corp	4092P/US
901	10356259	DE	Verfahren und Schaltungsanordnung zum Vergrößern einer Funktionsreichweite bei einer aus einem elektromagnetischen Feld mit Energie versorgten Vorrichtung	Jul 22, 2010	Dec 3, 2023	Atmel Corp	P801923/DE/1
902	7,767,473	US	Multiple Die Wafers Having Increased Reliability and Methods of Increasing Reliability in Same (as Amended)	Aug 3, 2010	Sep 14, 2024	Atmel Corp	ATM-495/COA/US
903	7,768,219	US	Microcontroller Interface with Hall Element	Aug 3, 2010	Aug 30, 2026	Atmel Corp	ATM-480/COA/US
904	7,768,948	US	Method and Device for Data Transmission	Aug 3, 2010	Nov 18, 2025	Atmel Corp	P000111/US/1
905	7,769,799	US	Discrete-Time Analog, Digitally Programmable Filter and Method	Aug 3, 2010	May 13, 2025	Atmel Corp	3207P/US
906	7,769,933	US	Serialization of Data for Communication with Master in Multi-Chip Bus Implementation	Aug 3, 2010	Apr 27, 2027	Atmel Corp	4091P/US
907	7,769,943	US	Flexible, Low-Cost Apparatus and Method to Introduce and Check Algorithm Modifications in Non-Volatile Memory	Aug 3, 2010	Apr 4, 2027	Atmel Corp	ATMSP-052/US
908	1899785	DE	Efficient Charge Pump for a Wide Range of Supply Voltages	Aug 4, 2010	Jun 5, 2026	Atmel Corp	ATM-394/DE
909	7,772,894	US	Method for Providing a Power On Reset Signal with a Quadratic Current Compared to an Exponential Current	Aug 10, 2010	Nov 13, 2026	Atmel Corp	3909P/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
910	7,773,019	US	Digital-to-Analogue Converter	Aug 10, 2010	Aug 26, 2028	Atmel Corp	08025RFO/US
911	7,776,705	US	Method for Fabricating a Thick Copper Line and Copper Inductor Resulting Therefrom	Aug 17, 2010	Sep 6, 2026	Atmel Corp	ATM-505/US
912	7,777,281	US	Non-Volatile Transistor Memory Array Incorporating Read-Only Elements with Single Mask Set	Aug 17, 2010	Mar 26, 2024	Atmel Corp	ATM-291/US
913	7,777,537	US	Method for Providing a Power on Reset Signal with a Logarithmic Current Compared with a Quadratic Current	Aug 17, 2010	Nov 13, 2026	Atmel Corp	3911 P/US
914	7,777,704	US	System and Method for Controlling a Multi-String Light Emitting Diode Backlighting System for an Electronic Display	Aug 17, 2010	Dec 16, 2028	Atmel Corp	SILIP105/US
915	7,782,240	US	Device and Method of Supplying Power to Targets on Single-Wire Interface	Aug 24, 2010	May 29, 2027	Atmel Corp	ATM-544/US
916	7,782,695	US	Compensated Current Offset in a Sensing Circuit	Aug 24, 2010	Jan 12, 2027	Atmel Corp	3945P/US
917	7,786,789	US	Monolithic Integrated Circuit and Use of Semiconductor Switch	Aug 31, 2010	Nov 10, 2028	Atmel Corp	P000359/US/2
918	7,788,550	US	Redundant Bit Patterns for Column Defects Coding	Aug 31, 2010	Dec 17, 2027	Atmel Rousset	20275-0064001/US
919	7,791,921	US	ROM Array with Shared Bit-Lines	Sep 7, 2010	Jun 10, 2028	Atmel Corp	08002RFO/US
920	7,793,185	US	Integrated Circuit for a Data Transmission System and Receiving Device of a Data Transmission System	Sep 7, 2010	Sep 5, 2027	Atmel Corp	P000310/US/2

	Patent No.	C'ty	Title	Issue	Exemption (nominal)	Donor(s)	Atmel Ref.
921	7,795,991	US	Integrated circuit arrangement to set a phase difference	Sep 14, 2010	Aug 9, 2027	Atmel Corp	P000258/US/2
922	7,796,707	US	Device for converting a complex-valued bandpass signal into a digital baseband signal	Sep 14, 2010	Sep 28, 2026	Atmel Corp	P000120/US/1
923	7,796,965	US	Method and Circuit Arrangement for Field Strength Determination and Integrated Circuit	Sep 14, 2010	Apr 25, 2027	Atmel Corp	P000281/US/2
924	7,797,516	US	Microcontroller with Low-Cost Digital Signal Processing Extensions	Sep 14, 2010	Mar 16, 2027	Atmel Corp	20275-0040001/US
925	10345346	DE	Verfahren zur Herstellung eines Halbleiterbauelements mit aktiven Bereichen, die durch Isolationsstrukturen voneinander getrennt sind	Sep 16, 2010	Sep 19, 2023	Atmel Corp	P303706/DE/1
926	7,800,419	US	Differential Amplitude Controlled Sawtooth Generator	Sep 21, 2010	Jan 17, 2027	Atmel Corp	ATM-568/CIA/US
927	1131641	DE	Charge Transfer Capacitance Measurement Circuit	Sep 29, 2010	Nov 18, 2019	Atmel Corp	P017601QRG/DE
928	7,808,255	US	Two-Dimensional Position Sensor	Oct 5, 2010	Apr 2, 2028	Atmel Corp	P029194QRG/US
929	7,808,300	US	Power Regulation Scheme for a High Voltage Output in Integrated Circuit Devices	Oct 5, 2010	Mar 8, 2025	Atmel Corp	ATM-321/US
930	7,809,348	US	compensation circuit for a mixer stage	Oct 5, 2010	Aug 17, 2027	Atmel Corp	P000298/US/2
931	102008053295	DE	Verfahren zur Ratenerrhöhung und Verfahren zur Ratenreduzierung	Oct 7, 2010	Oct 27, 2028	Atmel Corp	P000402/DE/1
932	7,812,428	US	Secure Connector Grid Array Package	Oct 12, 2010	Dec 5, 2027	Atmel Rousset	20275-0062001/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
933	7,813,201	US	Differential Sense Amplifier	Oct 12, 2010	Jul 8, 2028	Atmel Corp	08008RFO/US
934	7,814,250	US	Serialization of Data for Multi-Chip Bus Implementation	Oct 12, 2010	Apr 27, 2027	Atmel Corp	4094P/US
935	7,816,758	US	Integrated circuit having laterally dielectrically isolated active regions above an electrically contacted buried material, and method for producing the same	Oct 19, 2010	Jan 21, 2025	Atmel Corp	P303427/US/1
936	7,816,769	US	Stackable Packages for Three- Dimensional Packaging of Semiconductor Dice	Oct 19, 2010	Aug 28, 2026	Atmel Corp	ATM-471/US
937	7,817,719	US	System for Increasing the Speed of a Sum-of-Absolute-Differences Operation	Oct 19, 2010	May 31, 2025	Atmel Corp	ATM-388/US
938	7,817,768	US	PLL frequency generator	Oct 19, 2010	Dec 18, 2026	Atmel Corp	P000220/US/1
939	RE41843	US	Method of Detecting a Redirection or Relaying of a Contactless Data Transmission Using at least Two Sequentially Driven Transmitting Antennas	Oct 19, 2010	Dec 4, 2022	Atmel Corp	P303785/US/2
940	1847003	DE	Current Sensing Analog to Digital Converter and Method of Use	Oct 20, 2010	Jan 18, 2026	Atmel Corp	3446P/DE
941	7,821,122	US	Method and System for Increasing Circuitry Interconnection and Component Capacity in a Multi-Component Package	Oct 26, 2010	Dec 22, 2025	Atmel Corp	3707P/US
942	7,821,274	US	Capacitive Position Sensor	Oct 26, 2010	May 2, 2028	Atmel Corp	P028351QRG/US
943	7,821,302	US	Frequency Monitor	Oct 26, 2010	May 24, 2027	Atmel Rousset	3893P/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
944	7,821,425	US	Capacitive Keyboard with Non-Locking Reduced Keying Ambiguity	Oct 26, 2010	Jul 15, 2025	Atmel Corp	P024787QRG/CIA/US
945	7,821,502	US	Two-Dimensional Position Sensor	Oct 26, 2010	Jul 5, 2026	Atmel Corp	P023423QRG/US
946	7,825,905	US	Anisotropic Touch Screen Element	Nov 2, 2010	Aug 12, 2024	Atmel Corp	P018137QRG/CIA/US
947	7,826,291	US	Precharge and Evaluation Phase Circuits for Sense Amplifiers	Nov 2, 2010	Jul 16, 2028	Atmel Corp	ATMSP-061/US
948	1763713	DE	Method and System for Enhanced Dimming Resolution in A Light Ballast Through Use of Multiple Control Frequencies	Nov 3, 2010	Jun 9, 2025	Atmel Corp	2978P/DE
949	7,830,160	US	Capacitive Position Sensor	Nov 9, 2010	Oct 8, 2027	Atmel Corp	P027102QRG/CIA/US
950	7,838,971	US	Method to Provide Substrate-Ground Coupling for Semiconductor Integrated Circuit Dice Constructed from SOI and Related Materials in Stacked-Die Packages	Nov 23, 2010	Jul 11, 2026	Atmel Corp	ATM-475/US
951	7,843,232	US	Dual Mode, Single Ended to Fully Differential Converter Structure	Nov 30, 2010	Feb 27, 2029	Atmel Corp	08054RFO/US
952	7,843,252	US	Circuit with a Regulated Charge Pump	Nov 30, 2010	Jun 23, 2029	Atmel Corp	P000407/US/2
953	7,844,831	US	Secure Memory Device for Smart Cards	Nov 30, 2010	Sep 20, 2022	Atmel Corp	ATM-184/COA/US
954	7,848,070	US	Electrostatic Discharge (ESD) Protection Structure and a Circuit Using the Same	Dec 7, 2010	Jul 21, 2028	Atmel Corp	3632P/COA/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
955	7,848,151	US	Circuit to Control Voltage Ramp Rate	Dec 7, 2010	Nov 30, 2025	Atmel Corp	ATM-410/DVA/US
956	7,849,312	US	Method and System for Secure External TPM Password Generation and Use	Dec 7, 2010	Nov 30, 2026	Atmel Corp	3790P-MA/US
957	7,853,845	US	Circuit and Method for Integrated Circuit Configuration	Dec 14, 2010	Aug 27, 2027	Atmel Corp	ATMSP-057/US
958	1844474	DE	Nonvolatile Latch	Dec 15, 2010	Jan 27, 2026	Atmel Corp	3299P/DE
959	7,855,538	US	Method for Current Sensing in Switched DC-to-DC Converters	Dec 21, 2010	Jan 11, 2026	Atmel Corp	3650P/COA/US
960	7,855,582	US	Device for Detecting a Timing of an Edge	Dec 21, 2010	Apr 14, 2028	Atmel Corp	P000313/US/2
961	7,855,591	US	Method and System for Providing a Charge Pump Very Low Voltage Applications	Dec 21, 2010	Jun 7, 2026	Atmel Corp	3785P/US
962	7,855,671	US	Pipelined Analog-to-Digital Converter Having a Power Optimized Programmable Data Rate	Dec 21, 2010	Oct 3, 2026	Atmel Corp	ATM-PT009/COA/US
963	7,859,387	US	Backscatter Transponder	Dec 28, 2010	Dec 23, 2025	Atmel Corp	P801902/US/1
964	7,859,435	US	Method for rate increase and method for rate reduction	Dec 28, 2010	Oct 16, 2029	Atmel Corp	P000402/US/2
965	200510055113.2	CN	Schaltungsanordnung zur Lastregelung im Empfangspfad eines Transponders	Dec 29, 2010	Mar 17, 2025	Atmel Corp	P000057/CN/1
966	102009009565	DE	Empfangerschaltung, Verwendung und Verfahren zum Empfang Kir ein codiertes und moduliertes Funksignal	Jan 3, 2011	Feb 19, 2029	Atmel Corp	P000348/DE/1

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
967	7,863,858	US	Authenticating a Device at Battery Pack Using a Random Number Generator	Jan 4, 2011	Mar 10, 2026	Atmel Corp; Sony Corp (Japan)	20275-0011002/COA/US
968	7,863,874	US	Linear Voltage Regulator	Jan 4, 2011	Sep 5, 2027	Atmel Corp	P000302/US/2
969	7,863,959	US	Apparatus and Methods For a High- Voltage Latch	Jan 4, 2011	Sep 6, 2026	Atmel Corp	ATM-493/PRI/US
970	7,864,557	US	Flexible OTP Sector Protection Architecture for Flash Memories	Jan 4, 2011	May 12, 2025	Atmel Corp	3222C/COA/US
971	7,864,583	US	Erase Verify for Memory Devices	Jan 4, 2011	Jan 4, 2027	Atmel Corp	ATMSP-047/COA/US
972	7,868,660	US	Serial Communications Bus with Active Pullup	Jan 11, 2011	Apr 20, 2026	Atmel Corp	ATM-351/US
973	7,868,679	US	Circuit, Method for Receiving a Signal, and Use of a Random Event Generator	Jan 11, 2011	Jun 9, 2029	Atmel Corp	P000387/US/2
974	7,868,712	US	Circuit arrangement for frequency modulation	Jan 11, 2011	Dec 14, 2027	Atmel Corp	P000206/US/2
975	2139109	DE	Verfahren zur Spannungsbegrenzung bei einem Transponder	Jan 12, 2011	Feb 9, 2027	Atmel Corp	P000242/DE/4
976	7,872,567	US	Method For Transponder Access Control	Jan 18, 2011	Jul 7, 2026	Atmel Corp	P000182/US/1
977	7,877,566	US	Simultaneous Pipelined Read with Multiple Level Cache For Improved System Performance Using Flash Technology	Jan 25, 2011	Jan 25, 2025	Atmel Corp	ATM-347/US
978	7,880,193	US	Method for Forming an Integral Electromagnetic Radiation Shield in an Electronic Package	Feb 1, 2011	Dec 22, 2025	Atmel Corp	3714P/DVA/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
979	7,881,415	US	Communication Protocol Method and Apparatus for a Single Wire Device	Feb 1, 2011	Dec 29, 2026	Atmel Corp	ATM-274/US
980	7,882,405	US	Embedded Architecture With Serial Interface for Testing Flash Memories	Feb 1, 2011	Feb 16, 2027	Atmel Corp	ATMSP-048/US
981	7,885,369	US	PLL frequency generator	Feb 8, 2011	Dec 18, 2026	Atmel Corp	P000223/US/1
982	7,888,952	US	Circuit arrangement for balancing a resistance circuit	Feb 15, 2011	Nov 17, 2028	Atmel Corp	P000292/US/2
983	7,890,721	US	Implementation of Integrated Status of a Protection Register Word in a Protection Register Array	Feb 15, 2011	Feb 16, 2025	Atmel Corp	ATM-358/US
984	ZL200480040491.7	CN	Circuit for Auto-Clamping Input Pins to a Definite Voltage During Power-Up or Reset	Feb 16, 2011	Dec 9, 2024	Atmel Corp	ATM-299/CN
985	112007001486.5	DE	Capacitive Position Sensor	Feb 17, 2011	Jun 19, 2027	Atmel Corp	P026440QQRG/DE
986	7,893,518	US	Method for generating a layout, use of a transistor layout, and semiconductor circuit	Feb 22, 2011	Apr 28, 2028	Atmel Corp	P000360/US/2
987	7,893,815	US	Method for Selecting One or Several Transponders	Feb 22, 2011	Apr 14, 2025	Atmel Corp	P000054/US/1
988	7,899,099	US	Laser driver circuit and use	Mar 1, 2011	Apr 13, 2029	Atmel Corp	P000390/US/2
989	7,900,106	US	Accessing Sequential Data in a Microcontroller	Mar 1, 2011	Mar 28, 2028	Atmel Corp	20275-0070001/US
990	7,903,092	US	Capacitive Keyboard with Position Dependent Reduced Keying Ambiguity	Mar 8, 2011	May 18, 2027	Atmel Corp	P026368QQRG/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
991	7,906,989	US	Apparatus for Detecting a USB Host	Mar 15, 2011	Mar 20, 2028	Atmel Rousset	ATM-PT012/US
992	7,907,002	US	Output Level Voltage Regulation	Mar 15, 2011	Sep 7, 2025	Atmel Corp	ATM-383-L/US
993	7,907,110	US	Display Controller Blinking Mode Circuitry for LCD Panel of Twisted Nematic Type	Mar 15, 2011	Apr 4, 2027	Atmel Corp	ATMSP-056/US
994	2 194 441	DE	Switch, Method for Operating Same	Mar 23, 2011	Jun 10, 2029	Atmel Corp	P000403/DE/2
995	7,916,532	US	Use of Recovery Transistors During Write Operations to Prevent Disturbance of Unselected Cells	Mar 29, 2011	Dec 4, 2026	Atmel Corp	ATM-437/COA/US
996	7,917,732	US	Microprocessor for Executing Byte Compiled Java Code	Mar 29, 2011	Apr 1, 2022	Atmel Corp	ATM-541/PRI/US
997	7,920,436	US	Sense Amplifier	Apr 5, 2011	Dec 17, 2028	Atmel Corp	ATM-PT013/US
998	102004007106.3-31	DE	Schaltungsanordnung, insbesondere zur Verwendung in RF-Transpondern oder Remote Sensoren, sowie Verfahren zum Steuern einer Anzahl derartiger Transponder oder Sensoren	Apr 7, 2011	Feb 13, 2024	Atmel Corp	P801928/DE/3-LR
999	102008046681.6-31	DE	Schaltung, Verfahren und Verwendung eines Speichers zum Senden and/oder Empfangen in einem Funknetz	Apr 14, 2011	Sep 10, 2028	Atmel Corp	P000384/DE/1
1000	7,927,918	US	Packaged Products, Including Stacked Package Modules, and Methods of Forming Same	Apr 19, 2011	Apr 27, 2026	Atmel Corp	ATM-529/DVA/US
1001	7,928,838	US	Wheel electronics and tire control system for measuring a measurand	Apr 19, 2011	May 12, 2028	Atmel Corp	P000295/US/2

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1002	7,932,590	US	Stacked-Die Electronics Package with Planar and Three-Dimensional Inductor Elements	Apr 26, 2011	Jul 13, 2026	Atmel Corp	ATM-491/US
1003	7,932,898	US	Touch Sensitive Screen	Apr 26, 2011	Sep 18, 2026	Atmel Corp	P023094QRG/US
1004	7,944,384	US	Device and Method for Scanning Multiple ADC Channels	May 17, 2011	Aug 17, 2029	Atmel Corp	09036NO/US
1005	7,945,297	US	Headsets and Headset Power Management	May 17, 2011	Jan 17, 2026	Atmel Corp	P023395QRG/CIA/US
1006	7,952,366	US	Proximity Sensor	May 31, 2011	Jul 25, 2028	Atmel Corp	P031213QRG/US
1007	7,952,367	US	Capacitive Position Sensor	May 31, 2011	Oct 8, 2027	Atmel Corp	P027102QRG/PRI/US
1008	7,953,146	US	Method for Wireless Data Transmission Between a Base Station and a Transponder Via Inductive Coupling	May 31, 2011	Feb 12, 2027	Atmel Corp	P000227/US/1
1009	7,958,291	US	Supplemental Communication Interface	Jun 7, 2011	Oct 10, 2026	Atmel Rousset	20275-0027001/US
1010	1902411	DE	Schaltungsanordnung zur Verwendung in RF-Transpondern sowie Verfahren zum Steuern einer Anzahl derartiger Transponder	Jun 8, 2011	Jun 27, 2026	Atmel Corp	P000181/DE/2
1011	ZL200610170081.5	CN	PLL Frequency Generator	Jun 8, 2011	Dec 18, 2026	Atmel Corp	P000223/CN/1
1012	7,962,766	US	Method and System for Encryption-Based Design Obfuscation for An Integrated Circuit	Jun 14, 2011	Jul 14, 2025	Atmel Corp	3208P/US
1013	ZL200680029364.6	CN	Differential Direction Unit for the ZIGBEE 802.15.4 Standard	Jun 22, 2011	May 31, 2026	Atmel Corp	P000117/CN/1

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
1014	4,768,278	JP	Method for Acquiring Time Information from Time Code Signal, Radio Controlled Clock for Executing Method, or Receiver Circuit for Radio Controlled Clock	Jun 24, 2011	Jan 31, 2025	Atmel Corp; C-MAX Europe GmbH	P000018/JP/1
1015	7,969,330	US	Touch Sensitive Control Panel	Jun 28, 2011	Oct 1, 2024	Atmel Corp	P018692QRG/CIA/US
1016	7,971,024	US	Off-Chip Micro Control and Interface in a Multichip Integrated Memory System	Jun 28, 2011	Mar 29, 2026	Atmel Corp	ATM-421/DVA/US
1017	ZL20068002538.X	CN	Single Chip Microcontroller Including Battery Management and Protection	Jun 29, 2011	Jan 19, 2026	Atmel Corp	3449P/CN
1018	ZL200780014606.9	CN	Random Number Generator in a Battery Pack	Jun 29, 2011	Mar 8, 2027	Atmel Corp; Sony Corp (Japan)	20275-0011002/CN
1019	7,981,796	US	Methods for Forming Packaged Products	Jul 19, 2011	Apr 27, 2026	Atmel Corp	ATM-461/PRI/US
1020	7,982,499	US	Capacitive Node Isolation for Electrostatic Discharge Circuit	Jul 19, 2011	Jul 25, 2026	Atmel Corp	ATM-481/US
1021	7,983,098	US	Adaptive Regulator for Idle State in a Charge Pump Circuit of a Memory Device	Jul 19, 2011	Oct 11, 2026	Atmel Corp	ATM-PT007/DVA/US
1022	1153404	DE	Capacitive Sensor and Array	Jul 20, 2011	Jan 26, 2020	Atmel Corp	P017910QRG/DE
1023	1345707	TW	Single Chip Microcontroller Including Battery Management and Protection	Jul 21, 2011	Jan 19, 2026	Atmel Corp	3449P/TW
1024	7,986,152	US	Capacitive Position Sensor	Jul 26, 2011	May 2, 2028	Atmel Corp	P028351QRG/COA/US
1025	7,986,153	US	Method and Apparatus for Sensing	Jul 26, 2011	Mar 2, 2029	Atmel Corp	P035810QRG/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1026	7,986,653	US	Wireless Data Transmission Between Base Station and Transponder with Transponder Parameter Adjusted Based on Transponder Operating Information	Jul 26, 2011	Jul 21, 2024	Atmel Corp	P000022/US/1
1027	7,987,380	US	Methods and Apparatus to Detect Voltage Class of a Circuit	Jul 26, 2011	Mar 27, 2027	Atmel Rousset	20275-0034001/US
1028	7,990,108	US	Charge Detector	Aug 2, 2011	May 14, 2027	Atmel Corp	20275-0038001/US
1029	7,990,224	US	Dual Reference Phase Tracking Phase- Locked Loop	Aug 2, 2011	Apr 27, 2027	Atmel Corp	ATM-552/US
1030	7,990,666	US	Threshold Voltage Method and Apparatus for ESD Protection	Aug 2, 2011	Jun 7, 2027	Atmel Corp	ATM-546/COA/US
1031	ZL200710108809.6	CN	Two-Dimensional Position Screen	Aug 3, 2011	May 31, 2027	Atmel Corp	P025530QRG/CN
1032	7,994,866	US	AUTO TRIMMING OSCILLATOR	Aug 9, 2011	Oct 3, 2028	Atmel Corp	08047RFO/US
1033	7,994,869	US	Current-Controlled Hysteretic Oscillator	Aug 9, 2011	Apr 27, 2029	Atmel Corp	09002C-SO/US
1034	7,994,921	US	Method for Wireless Data Transmission and a Transponder	Aug 9, 2011	Jan 16, 2027	Atmel Corp	P000245/US/2
1035	7,996,659	US	Microprocessor Instruction that Allows System Routine Calls and Returns from All Contexts	Aug 9, 2011	Jun 6, 2025	Atmel Corp	ATM-391/US
1036	7,999,659	US	Method for Access Control	Aug 16, 2011	Jan 16, 2027	Atmel Corp	P000246/US/2
1037	7,999,714	US	Controlling Bias Current for an Analog to Digital Converter	Aug 16, 2011	Aug 17, 2029	Atmel Corp	09035NO/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
1038	8,000,380	US	Detection Unit and Method for the Detection of Data Symbols	Aug 16, 2011	Nov 9, 2026	Atmel Corp	P000166/US/1
1039	8,004,353	US	Circuit	Aug 23, 2011	Nov 10, 2029	Atmel Corp	P000418/US/1
1040	8,004,924	US	Voltage Regulator for Memory	Aug 23, 2011	Feb 18, 2029	Atmel Corp	09004RFO/US
1041	8,009,396	US	Method and Apparatus for ESD Protection	Aug 30, 2011	Feb 13, 2028	Atmel Rousset	ATM-PT011/US
1042	8,009,710	US	Laser Driver Circuit, Method for Controlling a Laser Driver Circuit, and Use	Aug 30, 2011	Aug 10, 2029	Atmel Corp	P000417/US/2
1043	102009060505.3	DE	Circuit, System and Method for Communication Between Two Nodes of a Radio Network	Sep 1, 2011	Dec 23, 2029	Atmel Corp	P000420/DE/2
1044	8,013,473	US	Detector Based Combination Regulator	Sep 6, 2011	Oct 4, 2026	Atmel Corp	20275-0025001-L/US
1045	8,013,716	US	Method for wireless data transmission	Sep 6, 2011	Dec 12, 2025	Atmel Corp	P000109/US/1
1046	8,015,229	US	Apparatus And Method For Performing Efficient Multiply-Accumulate Operations in Microprocessors	Sep 6, 2011	Jun 1, 2025	Atmel Corp	ATMSP-027/US
1047	ZL200580022875.0	CN	Modulator and Modulation Method for a Wireless Data Transmission Device	Sep 7, 2011	Jul 11, 2025	Atmel Corp	P000072/CN/1
1048	ZL200680052852.9	CN	Capacitive Keyboard with Non-Locking Reduced Keying Ambiguity	Sep 7, 2011	Jun 20, 2026	Atmel Corp	P024787QRG/CN
1049	ZL200880002525.1	CN	Differential Amplitude Controlled Sawtooth Generator	Sep 7, 2011	Jan 16, 2028	Atmel Corp	ATM-533/CN

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
1050	8,018,065	US	Wafer-Level Integrated Circuit Package with Top and Bottom Side Electrical Connections	Sep 13, 2011	Feb 28, 2028	Atmel Corp	20275-0075001/US
1051	ZL200410098306.1	CN	Circuit Arrangement and Method for Increasing the Functional Range of a Transponder	Sep 14, 2011	Dec 3, 2024	Atmel Corp	P801923/CN/1
1052	8,022,516	US	Metal Leadframe Package with Secure Feature	Sep 20, 2011	Aug 13, 2028	Atmel Corp	08016CSO/US
1053	8,022,548	US	Method for Fabricating Conducting Plates for a High-Q MIM Capacitor	Sep 20, 2011	Oct 12, 2026	Atmel Corp	ATM-516/DVA/US
1054	ZL200780014806.4	CN	Power Surge Filtering in Over-Current and Short-Circuit Protection	Sep 21, 2011	Mar 8, 2027	Atmel Corp; Sony Corp (Japan)	20275-0009001/CN
1055	ZL200680010517.2	CN	Y-Mux Splitting Scheme	Sep 28, 2011	Mar 8, 2026	Atmel Corp	ATM-365/CN
1056	8,030,963	US	Integrated Circuit and Standard Cell for an Integrated Circuit	Oct 4, 2011	Jun 17, 2030	Atmel Corp	P000427/US/2
1057	8,031,540	US	Randomizing current consumption in memory devices	Oct 4, 2011	Sep 21, 2026	Atmel Corp	20275-0022001 - L/COA/US
1058	8,031,547	US	Differential Sense Amplifier	Oct 4, 2011	Jul 8, 2028	Atmel Corp	08008RFO/COA/US
1059	8,040,681	US	Circuit Arrangement	Oct 18, 2011	Sep 5, 2027	Atmel Corp	P000300/US/2
1060	8,041,316	US	Transmission Circuit, Transmission Method, and Use	Oct 18, 2011	Apr 14, 2029	Atmel Corp	P000394/US/2
1061	ZL200680020713.8	CN	Efficient Subprogram Return in Microprocessors	Oct 19, 2011	May 25, 2026	Atmel Corp	ATM-386/CN

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1062	8,042,566	US	Ex-Situ Component Recovery	Oct 25, 2011	Jul 23, 2028	Atmel Corp	08015CSO/US
1063	8,044,526	US	Integrated Circuit Assemblies With Alignment Features and Devices and Methods Related Thereto	Oct 25, 2011	Dec 27, 2026	Atmel Corp	ATM-531/PRI/US
1064	8,044,713	US	Receiving Circuit and Method for Receiving an Amplitude Shift Keying Signal	Oct 25, 2011	Feb 19, 2029	Atmel Corp	P000380/US/2
1065	8,045,727	US	Headset Power Management	Oct 25, 2011	Jan 17, 2026	Atmel Corp	P023395QRG/US
1066	8,045,950	US	Mixer Circuit, Receiving Circuit, Transmitting Circuit, and Method for Operating a Mixer Circuit	Oct 25, 2011	Dec 7, 2025	Atmel Corp	P000076/US/1
1067	1 982 415	DE	Integrierter Treiberschaltkreis für einen LIN Bus	Oct 26, 2011	Nov 26, 2027	Atmel Corp	P000332/DE/2
1068	8,049,708	US	Hybrid Analog and Digital Architecture for Controlling Backlight Light Emitting Diodes of an Electronic Display	Nov 1, 2011	Jan 12, 2027	Atmel Corp	SILIP101/US
1069	8,049,738	US	Anisotropic, Resistance-Based Determination of a Position of an Object with Respect to a Touch Screen Element	Nov 1, 2011	Aug 12, 2024	Atmel Corp	P018137QRG/COA/US
1070	8,050,295	US	Transmission Circuit and Method for Transmitting a Bit Sequence to be Transmitted	Nov 1, 2011	Jun 9, 2029	Atmel Corp	P000401/US/2
1071	8,051,263	US	Configurable Memory Protection	Nov 1, 2011	May 4, 2027	Atmel Corp	2027s-0044001/US
1072	8,051,467	US	Secure Information Processing	Nov 1, 2011	Aug 26, 2028	Atmel Corp	08026NO/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
1073	1639701	DE	Low Voltage Circuit for Interfacing with High Voltage Analog Signals	Nov 2, 2011	May 27, 2024	Atmel Corp	ATM-240/DE
1074	8,054,090	US	Noise Handling in Capacitive Touch Sensors	Nov 8, 2011	Oct 22, 2028	Atmel Corp	P035213QRG/US
1075	8,054,144	US	Mode Switching RC Network	Nov 8, 2011	Jul 2, 2028	Atmel Corp	08023SJO/US
1076	8,054,156	US	Low Variation Resistor	Nov 8, 2011	Aug 26, 2028	Atmel Corp	08019RFO/US
1077	8,054,162	US	Communication Method in RFID or Remote Sensor Systems	Nov 8, 2011	Apr 27, 2025	Atmel Corp	P000082/US/1
1078	8,054,694	US	Voltage Generator for Memory Array	Nov 8, 2011	Mar 24, 2029	Atmel Corp	08055RFO/US
1079	8,054,911	US	Method for Edge Formation of Signals and Transmitter Receiver Component for a Bus System	Nov 8, 2011	Dec 4, 2027	Atmel Corp	P000328/US/2
1080	8,055,963	US	Accessing Sequential Data in a Microcontroller	Nov 8, 2011	Mar 28, 2028	Atmel Corp	20275-0070001/COA/US
1081	8,056,044	US	Signal Processing	Nov 8, 2011	Oct 21, 2028	Atmel Corp	P035210QRG/US
1082	8,059,019	US	Method and System for Minimizing the Accumulated Offset Error for an Analog to Digital Converter	Nov 15, 2011	Dec 21, 2026	Atmel Corp	4110P/CIA/US
1083	8,059,442	US	ROM Array With Shared Bit-Lines	Nov 15, 2011	Jun 10, 2028	Atmel Corp	08002RFO/COA/US
1084	4,868,488	JP	Radio-Controlled Watch	Nov 25, 2011	Jul 30, 2024	Atmel Corp; C-MAX Europe GmbH	P801508/JP/1

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
1085	20 2011 051 864.7	DE	Touch Position-Sensing Panel and Method	Nov 28, 2011	Nov 4, 2021	Atmel Corp	10026QQRG/UTM/DE
1086	8,067,975	US	MOS Resistor with Second or Higher Order Compensation	Nov 29, 2011	Oct 25, 2027	Atmel Corp	20275-0060001/COA/US
1087	10 2008 053 536	DE	Schaltung, Verwendung und Verfahren zum Betrieb einer Schaltung	Dec 1, 2011	Oct 28, 2028	Atmel Corp	P000405/DE/1
1088	20 2011 052 063.3	DE	Electrode Interconnect	Dec 6, 2011	Nov 23, 2021	Atmel Corp	10034QQRG/UTM/DE
1089	10-1098635	KR	Capacitive Sensor	Dec 19, 2011	Feb 3, 2025	Atmel Corp	P019184QQRG/KR
1090	1 450 181	DE	Schaltungsanordnung zur Signaldetektion	Dec 21, 2011	Feb 6, 2024	Atmel Corp	P801373/DE/2
1091	1354989	TW	Circuit for Auto-Clamping Input Pins to a Definite Voltage During Power-Up or Reset	Dec 21, 2011	Dec 22, 2024	Atmel Corp	ATM-299/TW
1092	1355044	TW	Method for Forming a Low Voltage Gate Oxide Layer and Tunnel Oxide Layer in an EEPROM Cell	Dec 21, 2011	Nov 18, 2024	Atmel Corp	ATM-262/TW
1093	8,085,604	US	Snap-Back Tolerant Integrated Circuits	Dec 27, 2011	Dec 12, 2028	Atmel Corp	08033SJO/US
1094	8,089,982	US	Method and apparatus for medium reservation and medium reservation modification in a communication system with medium reservation modification granted without requiring additional medium arbitration	Jan 3, 2012	Jun 9, 2026	Atmel Corp	OZ1210/PRI/US
1095	8,093,640	US	Method and System for Incorporating High Voltage Devices in an EEPROM	Jan 10, 2012	Oct 20, 2025	Atmel Corp	3716P/DVA/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1096	ZL 2006 80013461.6	CN	Method and apparatus for operating a wireless PAN network using an overlay protocol that enhances co-existence with a wireless LAN network	Jan 11, 2012	Mar 14, 2026	Atmel Corp	OZ0600/CN
1097	ZL200680019545.0	CN	Differential Detection Unit for the Zigbee IEEE 802.15.4 Standard	Jan 11, 2012	May 31, 2026	Atmel Corp	P000119/CN/1
1098	202011052249.0	DE	Microcontroller System Bus Scheduling for Multipoint Slave Modules	Jan 16, 2012	Dec 9, 2021	Atmel Corp	11031MCU/UTM/DE
1099	8,099,270	US	Simulation Model for Transistors	Jan 17, 2012	Sep 23, 2028	Atmel Corp	08024CSO/US
1100	8,099,783	US	Security Method for Data Protection	Jan 17, 2012	Jan 27, 2026	Atmel Corp	ATM-401/US
1101	20 2011 052 201.6	DE	Variable Architecture for Random Number Generator	Jan 19, 2012	Dec 6, 2021	Atmel Corp	10051RFO/UTM/DE
1102	20 2011 052 203.2	DE	Microcontroller System Bus Scheduling for Multipoint Slave Modules	Jan 19, 2012	Dec 6, 2021	Atmel Corp	11002MCU/UTM/DE
1103	20 2011 052 205.9	DE	Sensorless BLDC Motor Control by Comparing Instantaneous & Average BEMF Voltages	Jan 19, 2012	Dec 6, 2021	Atmel Corp	11033MCU/UTM/DE
1104	8,101,900	US	Circuit and Method for Operating a Circuit	Jan 24, 2012	Oct 16, 2029	Atmel Corp	P000424/US/1
1105	8,102,286	US	Capacitive Keyboard with Non-Locking Reduced Keying Ambiguity	Jan 24, 2012	Apr 12, 2026	Atmel Corp	P024787QRG/COA/US
1106	8,102,401	US	Display Controller Operating Mode Using Multiple Data Buffers	Jan 24, 2012	Apr 25, 2027	Atmel Corp	ATMSP-054/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
1107	8,102,871	US	Method and apparatus for medium reservation and medium reservation modification in a communication system	Jan 24, 2012	Mar 14, 2026	Atmel Corp	OZ1110/PRI/US
1108	8,107,513	US	Differential Detection Unit for the Zigbee 802.15.4 Standard	Jan 31, 2012	May 31, 2026	Atmel Corp	P000117/US/1
1109	8,107,577	US	Communication Protocol Method and Apparatus for a Single Wire Device	Jan 31, 2012	Dec 29, 2026	Atmel Corp	ATM-274/DVA/US
1110	8,107,911	US	Signal Processing Device and Signal Processing Method	Jan 31, 2012	May 22, 2028	Atmel Corp	P000345/US/2
1111	20 2011 052 436.1	DE	Low Power Capacitive Touch Detector	Jan 31, 2012	Dec 22, 2021	Atmel Corp	11050MCU/UTM/DE
1112	10 2009 011 957	DE	Schaltung und Verfahren zur Steuerung einer Empfängerschaltung	Feb 2, 2012	Mar 10, 2029	Atmel Corp	P000379/DE/1
1113	20 2011 052 526.0	DE	Stylus	Feb 6, 2012	Dec 29, 2021	Atmel Corp	10052QRG/UTM/DE
1114	20 2011 052 527.9	DE	Position Sensing Panel	Feb 6, 2012	Dec 29, 2021	Atmel Corp	10053QRG/UTM/DE
1115	20 2011 052 528.7	DE	Position Sensing Panel	Feb 6, 2012	Dec 29, 2021	Atmel Corp	10057QRG/UTM/DE
1116	8,111,672	US	Method for Data Communication Between a Base Station and a Transponder	Feb 7, 2012	Apr 14, 2025	Atmel Corp	P000005/US/1
1117	8,112,699	US	Error Detecting/Correcting Scheme for Memories	Feb 7, 2012	Feb 14, 2028	Atmel Rousset	4291P/US
1118	20 2011 052 512.0	DE	Substantially Edgeless Touch Sensor	Feb 10, 2012	Dec 28, 2021	Atmel Corp	11009QRG/UTM/DE

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
1119	8,115,281	US	Differential Varactor	Feb 14, 2012	May 20, 2028	Atmel Corp	20275-0073001/US
1120	8,115,462	US	Voltage Regulator for an Integrated Circuit	Feb 14, 2012	Jun 20, 2027	Atmel Corp	4085P/US
1121	20 2011 052 513.9	DE	Capacitive Touch Sensor Control Unit with Sampling Capacitors for Differential Integration	Feb 14, 2012	Dec 28, 2021	Atmel Corp	11022QRG/UTM/DE
1122	8,118,214	US	Method and System for Generating Electronic Keys	Feb 21, 2012	Mar 24, 2026	Atmel Corp	3634P/US
1123	8,120,963	US	Method and System for Program Pulse Generation During Programming of Nonvolatile Electronic Devices	Feb 21, 2012	Sep 19, 2025	Atmel Corp	3220P/COA/US
1124	ZL200410100632.1	CN	Receiver Circuit for Radio Clock and Method for Operating Receiving Circuit	Feb 22, 2012	Dec 8, 2024	Atmel Corp; C-MAX Europe GmbH	P000029/CN/1
1125	202011052333.0	DE	Encrypted Memory Access	Feb 27, 2012	Dec 16, 2021	Atmel Corp	11061 MCU/UTM/DE
1126	8,125,366	US	Integrating (SLOPE) DAC Architecture	Feb 28, 2012	Jul 1, 2030	Atmel Corp	10023NO/US
1127	20 2011 052 529.5	DE	System zum Starten sensorloser, birstenloser Gleichstrommotoren (BLDC-Motoren) auf Basis einer Rippenstromanalyse	Feb 28, 2012	Dec 29, 2021	Atmel Corp	11006RFA/UTM/DE
1128	20 2011 052 491.4	DE	Improving Signal-to-Noise Ratio in Touch Sensors	Feb 29, 2012	Dec 27, 2021	Atmel Corp	11016QRG/UTM/DE
1129	20 2011 052 498.1	DE	Touch Sensing with a Common Driver	Feb 29, 2012	Dec 28, 2021	Atmel Corp	11023QRG/UTM/DE
1130	20 2011 052 500.7	DE	Fehlerstromkompensation Kir einen Spannungsregler	Feb 29, 2012	Dec 28, 2021	Atmel Corp	11038RFA/UTM/DE

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1131	20 2011 052 501.5	DE	Secure Contactless Data Communication	Feb 29, 2012	Dec 28, 2021	Atmel Corp	11086RFA/UTM/DE
1132	20 2011 052 508.2	DE	Touch Sensor for Flexible or Curved Surfaces	Feb 29, 2012	Dec 28, 2021	Atmel Corp	11010QQRG/UTM/DE
1133	20 2011 052 509.0	DE	Analog to Digital Converter with Dual Integrating Capacitor System	Feb 29, 2012	Dec 28, 2021	Atmel Corp	11026QQRG/UTM/DE
1134	20 2011 052 519.8	DE	Touch Sensing with a Common Driver	Feb 29, 2012	Dec 29, 2021	Atmel Corp	11019QQRG/UTM/DE
1135	20 2011 052 530.9	DE	Panel	Feb 29, 2012	Dec 29, 2021	Atmel Corp	10045QQRG/UTM/DE
1136	20 2011 052 533.3	DE	Touch Sensor with RFID	Feb 29, 2012	Dec 29, 2021	Atmel Corp	10054QQRG/UTM/DE
1137	20 2011 052 534.1	DE	Means for Parasitic Capacitive Canceling in a Sensor Interface	Feb 29, 2012	Dec 29, 2021	Atmel Corp	11005QQRG/UTM/DE
1138	20 2011 052 536.8	DE	Integrated Test System for a Touch Sensor	Feb 29, 2012	Dec 29, 2021	Atmel Corp	11018QQRG/UTM/DE
1139	202011052510.4	DE	Touch Sensor with Touch Object Discrimination	Feb 29, 2012	Dec 28, 2021	Atmel Corp	11069QQRG/UTM/DE
1140	202011052537.6	DE	Primary Side PFC Driver with Dimming Capability	Feb 29, 2012	Dec 29, 2021	Atmel Corp	11059MCU/UTM/DE
1141	202011052538.4	DE	High Accurate RC Oscillator	Feb 29, 2012	Dec 29, 2021	Atmel Corp	11084MCU/UTM/DE
1142	ZL200610091626.3	CN	Method and Device for Determining the Occupancy of a Transmission Channel	Feb 29, 2012	Jun 7, 2026	Atmel Corp	P000122/CN/1
1143	102006043665.2	DE	Touch Sensitive Screen	Mar 1, 2012	Sep 18, 2026	Atmel Corp	P023094QQRG/DE

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1144	20 2011 052 202.4	DE	Main Supply Zero Crossing Detection for PFC Converter	Mar 1, 2012	Dec 6, 2021	Atmel Corp	11034MCU/UTM/DE
1145	20 2011 052 532.5	DE	Circuit for Measuring a Voltage	Mar 2, 2012	Dec 29, 2021	Atmel Corp	11004QRG/UTM/DE
1146	8,130,580	US	Low Power Sense Amplifier for Reading Memory	Mar 6, 2012	Sep 3, 2030	Atmel Corp	10028CSO/US
1147	8,131,789	US	True Random Number Generator	Mar 6, 2012	Mar 28, 2028	Atmel Corp	ATMSP-060/US
1148	20 2012 100 453.4	DE	Surface Coverage Touch	Mar 8, 2012	Feb 10, 2022	Atmel Corp	11073QRG/UTM/DE
1149	8,134,870	US	High-Density Non-Volatile Read-Only Memory Arrays and Related Methods	Mar 13, 2012	Jun 16, 2029	Atmel Corp	09018RFO/US
1150	20 2011 054 204.0	DE	WLCSP for Small, High Volume Die	Mar 19, 2012	Dec 6, 2021	Atmel Corp	11012MEM/UTM/DE
1151	8,138,578	US	Method and System for Creating Self- Aligned Twin Wells with Co-Planar Surfaces in a Semiconductor Device	Mar 20, 2012	Jan 5, 2027	Atmel Corp	3364P/DVA/US
1152	8,138,889	US	Method, Transponder, and System for Secure Data Exchange	Mar 20, 2012	Jun 25, 2027	Atmel Corp	P000259/US/2
1153	8,139,679	US	System and Method for Controlling Modulation	Mar 20, 2012	Oct 25, 2024	Atmel Corp	3205P/COA/US
1154	20 2011 052 465.5	DE	Touch Sensor Input Tool With Offset Between Touch Icon and Input Icon	Mar 23, 2012	Dec 23, 2021	Atmel Corp	11030QRG/UTM/DE
1155	20 2011 052 520.1	DE	Analog to Digital Converter with Adjustable Conversion Window	Mar 26, 2012	Dec 29, 2021	Atmel Corp	11027QRG/UTM/DE

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
1156	8,143,860	US	Single Chip Microcontroller Including Battery Management and Protection	Mar 27, 2012	Jan 18, 2026	Atmel Corp	3449P/COA/US
1157	ZL2006101518117	CN	Device for Converting a Complex- Valued Bandpass Signal into a Digital Baseband Signal	Mar 28, 2012	Sep 5, 2026	Atmel Corp	P000120/CN/1
1158	102008014425.8-54	DE	Driver Circuit, Method for Operating and Use of a Current Mirror of a Driver Circuit	Mar 29, 2012	Mar 14, 2028	Atmel Corp	P000389/DE/1
1159	8,148,754	US	Low Resistance Integrated MOS Structure	Apr 3, 2012	May 2, 2026	Atmel Rousset	ATM-PT001/COA/US
1160	8,154,217	US	Driver Circuit, Method for Operating and Use of a Current Mirror of a Driver Circuit	Apr 10, 2012	Mar 13, 2029	Atmel Corp	P000389/US/2
1161	8,154,529	US	Two-Dimensional Touch Sensors	Apr 10, 2012	May 14, 2029	Atmel Corp	09031QRG/US
1162	8,155,240	US	Receiver Circuit, Application of a First and a Second Proportional Element of a Digital PLL Structure, and Method for Receiving a Frequency-Shift Keyed Signal	Apr 10, 2012	Nov 12, 2028	Atmel Corp	P000349/US/2
1163	60 2005 033 599.4	DE	Method and Apparatus of Temperature Compensation for Integrated Circuit Chip Using On-Chip Sensor and Computation Means	Apr 11, 2012	Feb 23, 2025	Atmel Corp	ATM-261/DE
1164	8,159,830	US	Surface Mounting Chip Carrier Module	Apr 17, 2012	Apr 17, 2029	Atmel Corp	08059RFO-L/US
1165	8,160,184	US	Radio Clock and Method for Extracting Time Information	Apr 17, 2012	Nov 27, 2026	Atmel Corp	P000186/US/1
1166	8,160,253	US	Method, Transponder and System for Rapid Data Transmission	Apr 17, 2012	Jun 27, 2027	Atmel Corp	P000237/US/2

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
1167	ZL200780015703. X	CN	Operational Amplifier	Apr 18, 2012	Apr 24, 2027	Atmel Corp	P000215/CN/1
1168	102008010254.7- 31	DE	Receipt Switch and Method for Receiving a Signal of an Amplitude Shift Keying	Apr 19, 2012	Feb 20, 2028	Atmel Corp	P000380/DE/1
1169	8,165,193	US	Method for Wireless Data Transmission Between a Base Station and a Passive Transponder, as well as a Passive Transponder	Apr 24, 2012	Nov 27, 2027	Atmel Corp	P000243/US/2
1170	8,166,280	US	Microprocessor for Executive Byte Compiled Java Code	Apr 24, 2012	Apr 1, 2022	Atmel Corp	ATM-541/COB/US
1171	10 2009 021 152	DE	Method for Obtaining Field Strength Information	Apr 26, 2012	May 13, 2029	Atmel Corp	P000283/DE/1
1172	1119840	HK	Single Chip Microcontroller Including Battery Management and Protection	Apr 27, 2012	Jan 19, 2026	Atmel Corp	3449P/HK
1173	20 2012 101 378.9	DE	Single-Layer Touch Sensor	Apr 27, 2012	Apr 16, 2022	Atmel Corp	11007QRG/UTM/DE
1174	8,169,241	US	Proportional Phase Comparator and Method for Phase-Aligning Digital Signals	May 1, 2012	Jan 15, 2028	Atmel Rousset	ATM-PT014/US
1175	8,169,450	US	System and Method for Ambient-Light Adaptive Intensity Control for an Electronic Display	May 1, 2012	May 22, 2027	Atmel Corp	SILIP103/US
1176	8,169,845	US	Apparatus and Methods for Sense Amplifiers	May 1, 2012	Jun 25, 2029	Atmel Corp	09001RFO/US
1177	20 2012 101 438.6	DE	System for Detecting Touch Types	May 2, 2012	Apr 18, 2022	Atmel Corp	11101QRG/UTM/DE
1178	20 2012 101 439.4	DE	Multi-Surface Touch Sensor	May 2, 2012	Apr 18, 2022	Atmel Corp	11017QRG/UTM/DE

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
1179	10 2009 037 998	DE	Method for Communication Between A Base Station and a Plurality of Transponders	May 3, 2012	Aug 20, 2029	Atmel Corp	P000397/DE/1
1180	20 2012 101 478.5	DE	Touch Sensor Including Mutual Capacitance Electrodes and Self- Capacitance Electrodes	May 3, 2012	Apr 20, 2022	Atmel Corp	11051QRG/UTM/DE
1181	20 2012 101 479.3	DE	Single-Layer Touch Sensor	May 3, 2012	Apr 20, 2022	Atmel Corp	11039QRG/UTM/DE
1182	20 2012 101 480.7	DE	Touch Sensor with Capacitive Nodes Having a Capacitance That is Approximately the Same	May 3, 2012	Apr 20, 2022	Atmel Corp	11052QRG/UTM/DE
1183	20 2012 101 481.5	DE	Improved Method for Determining Coordinates of Touches	May 3, 2012	Apr 20, 2022	Atmel Corp	11077QRG/UTM/DE
1184	8,173,526	US	Method for Providing a Nanoscale, High Electron Mobility Transistor (HEMT) on Insulator	May 8, 2012	Oct 31, 2026	Atmel Corp	ATM-514/DVA/US
1185	8,174,099	US	Leadless Package with Internally Extended Package Leads	May 8, 2012	Aug 13, 2028	Atmel Corp	08011CSO/US
1186	20 2012 101 382.7	DE	Flexible Touch Sensor	May 9, 2012	Apr 16, 2022	Atmel Corp	11011QRG/UTM/DE
1187	202012101504.8	DE	Low-Resistance Electrodes	May 11, 2012	Apr 23, 2022	Atmel Corp	11081FLM/UTM/DE
1188	20 2012 101 505.6	DE	Touch Sensor with Spacers Supporting a Cover Panel	May 14, 2012	Apr 23, 2022	Atmel Corp	11076QRG/UTM/DE
1189	8,179,708	US	Anti-Cross-Talk Circuitry for ROM Arrays	May 15, 2012	Feb 18, 2029	Atmel Corp	08043RFO/US
1190	8,181,042	US	Low Power Mode Data Preservation in Secure ICs	May 15, 2012	Feb 12, 2027	Atmel Corp	20275-0035001-L/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
1191	202012101502.1	DE	Securing Radio-Frequency Identification Systems	May 21, 2012	Apr 23, 2022	Atmel Corp	11088RFA/UTM/DE
1192	8,183,834	US	Current to Frequency Conversion, Apparatus and Methods	May 22, 2012	Jan 28, 2029	Atmel Corp	08001RFO/US
1193	8,183,886	US	Apparatus for Detecting a USB Host	May 22, 2012	Mar 20, 2028	Atmel Rousset	ATM-PT012/COA/US
1194	8,183,922	US	Differential Pair with Constant Offset	May 22, 2012	Nov 17, 2029	Atmel Rousset	09048RFO/US
1195	8,183,983	US	Method for the At Least Temporary Activation of Bidirectional Communication and Transponder	May 22, 2012	Feb 7, 2028	Atmel Corp	P000293/US/2
1196	ZL200880024011.6	CN	Two-Dimensional Touch Screen	May 23, 2012	Jul 7, 2028	Atmel Corp	P030491QRG/CN
1197	202012101734.2	DE	Touch Sensor with Conductive Lines Having Portions with Different Widths	May 24, 2012	May 11, 2022	Atmel Corp	11148FLM-A/UTM/DE
1198	202012101735.0	DE	Active Stylus with Energy Harvesting	May 24, 2012	May 11, 2022	Atmel Corp	11000QRG-36/UTM/DE
1199	202012101742.3	DE	Data Transfer From Active Stylus	May 24, 2012	May 11, 2022	Atmel Corp	11000QRG-09/UTM/DE
1200	202012101703.2	DE	Substantially Edgeless Touch Sensor	May 25, 2012	May 9, 2022	Atmel Corp	11035QRG/UTM/DE
1201	8,186,601	US	Non-Volatile Memory Charge Pump for Radio Frequency Identification (RFID) System	May 29, 2012	Jun 2, 2029	Atmel Corp	09014CSO/US
1202	8,189,732	US	Non-Volatile Memory Counter	May 29, 2012	Nov 17, 2030	Atmel Corp	10038CSO/US
1203	8,190,950	US	Dynamic Column Redundancy Replacement	May 29, 2012	Dec 21, 2027	Atmel Corp	ATM-543/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
1204	8,190,956	US	Quadrature Decoder Filtering Circuitry for Motor Control	May 29, 2012	Apr 9, 2029	Atmel Corp	09015RFO/US
1205	202012101394.0	DE	Narrow-Band Touch Detection	May 29, 2012	Apr 17, 2022	Atmel Corp	11015QARG/UTM/DE
1206	202012101398.3	DE	Touch Sensor with Measurement to Noise Synchronization	May 29, 2012	Apr 17, 2022	Atmel Corp	11029QARG/UTM/DE
1207	202012101399.1	DE	Touch Sensor with User Identification	May 29, 2012	Apr 17, 2022	Atmel Corp	11095QARG/UTM/DE
1208	202012101400.9	DE	Randomizing One or More Micro- Features of a Touch Sensor	May 29, 2012	Apr 17, 2022	Atmel Corp	11014QARG/UTM/DE
1209	202012101428.9	DE	Improved Touch Sensing Using Motion Information	May 29, 2012	Apr 18, 2022	Atmel Corp	11102QARG/UTM/DE
1210	202012101429.7	DE	Touch Sensor with Adaptive Touch Detection Thresholding	May 29, 2012	Apr 18, 2022	Atmel Corp	11066QARG/UTM/DE
1211	202012101736.9	DE	Low-Resistance Electrodes	May 29, 2012	May 11, 2022	Atmel Corp	11098FLM/UTM/DE
1212	202012101741.5	DE	Multi-Surface Touch Sensor Device with User Action Detection	May 29, 2012	May 11, 2022	Atmel Corp	11124FLM/UTM/DE
1213	202012101769.5	DE	Frame- or Pulse-Based Communication Scheme for Active Stylus	May 29, 2012	May 14, 2022	Atmel Corp	11000QARG-35/UTM/DE
1214	202012101770.9	DE	Dual-Substrate-Sensor Stack	May 29, 2012	May 14, 2022	Atmel Corp	11085FLM/01/UTM/DE
1215	202012101768.7	DE	Active Stylus with Surface-Modification Materials	May 30, 2012	May 14, 2022	Atmel Corp	11000QARG-08/UTM/DE

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1216	ZL200610146327.5	CN	Detection Unit and Method for the Detection of Data Symbols	May 30, 2012	Nov 9, 2026	Atmel Corp	P000166/CN/1
1217	ZL200780014854.3	CN	Gate Driver for a Battery Pack	May 30, 2012	Mar 8, 2027	Atmel Corp	20275-0010001/CN
1218	8,193,792	US	Circuit and Method for Operating a Circuit	Jun 5, 2012	Jun 9, 2029	Atmel Corp	P000395/US/2
1219	8,193,846	US	Selectable Delay Pulse Generator	Jun 5, 2012	Oct 8, 2024	Atmel Corp	ATM-288/PRI/US
1220	102009060592.4	DE	Circuit and Method for Distance Measurement Between Two Nodes of a Radio Network	Jun 6, 2012	Dec 23, 2029	Atmel Corp	P000422/DE/2
1221	202012101733.4	DE	Touch Sensor with Inductive Charging	Jun 11, 2012	May 11, 2022	Atmel Corp	11040QRG/UTM/DE
1222	8,198,920	US	Low Current Comparator with Programmable Hysteresis	Jun 12, 2012	Mar 23, 2029	Atmel Corp	08053NTO/US
1223	8,200,178	US	Method for Obtaining Field Strength Information	Jun 12, 2012	May 12, 2030	Atmel Corp	P000385/US/2
1224	202012101881.0	DE	Multi-Electrode Active Stylus Tip	Jun 15, 2012	May 23, 2022	Atmel Corp	11000QRG-17/UTM/DE
1225	202012101911.6	DE	Capacitive Force Sensor	Jun 15, 2012	May 24, 2022	Atmel Corp	11000QRG-10/UTM/DE
1226	202012101912.4	DE	Active Stylus with High Voltage	Jun 15, 2012	May 24, 2022	Atmel Corp	11000QRG-34/UTM/DE
1227	202012101913.2	DE	Active Stylus with Filter Having a Threshold	Jun 18, 2012	May 24, 2022	Atmel Corp	11000QRG-27/UTM/DE
1228	8,209,509	US	Accessing Memory in a System with Memory Protection	Jun 26, 2012	May 13, 2028	Atmel Corp	08006NO/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1229	8,214,729	US	Error Detecting/Correcting Scheme for Memories	Jul 3, 2012	Feb 14, 2028	Atmel Rousset	4291P/COA/US
1230	202012102059.9	DE	Inductive Charging for Active Stylus	Jul 4, 2012	Jun 5, 2022	Atmel Corp	11000QRG-16/UTM/DE
1231	202012102057.2	DE	Active Stylus with Filter	Jul 5, 2012	Jun 5, 2022	Atmel Corp	11000QRG-24/UTM/DE
1232	202012102116.1	DE	Active-Stylus Nib with Rolling-Ball Tip	Jul 5, 2012	Jun 11, 2022	Atmel Corp	11000QRG-14/UTM/DE
1233	8,217,452	US	Enhanced HVPMOS	Jul 10, 2012	Aug 5, 2030	Atmel Rousset; LAAS-CNRS	09065RFO/US
1234	8,217,887	US	System and Method for Backlight Control for an Electronic Display	Jul 10, 2012	Jan 23, 2028	Atmel Corp	SILIP110/US
1235	8,217,915	US	Capacitive Position Sensor	Jul 10, 2012	Aug 12, 2024	Atmel Corp	P018138QRG/US
1236	8,219,855	US	Mechanism for Storing and Extracting Trace Information Using Internal Memory in Micro Controllers	Jul 10, 2012	Jun 7, 2025	Atmel Corp	3540P/COA/US
1237	202012102222.2	DE	Data Transfer From an Active Stylus to Configure a Device or Application	Jul 11, 2012	Jun 18, 2022	Atmel Corp	11000QRG-12/UTM/DE
1238	10038616.0	DE	Method and Arrangement for Noise Rejection in a Receiver Circuit	Jul 12, 2012	Aug 8, 2020	Atmel Corp; Melexis GmbH; Vishay GmbH	P303301/DE/3-LR
1239	10050878.2	DE	Method for Transmitting a Plurality of Information Symbols	Jul 12, 2012	Oct 13, 2020	Atmel Corp	P303281/DE/3-LR
1240	202012101966.3	DE	Combination Touch-Sensor Input	Jul 12, 2012	May 30, 2022	Atmel Corp	11000QRG-33/UTM/DE

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1241	202012102273.7	DE	Active Stylus with Capacitive Buttons and Sliders	Jul 12, 2012	Jun 20, 2022	Atmel Corp	11000QQRG-01/UTM/DE
1242	202012102274.5	DE	Dynamic rRconfiguration of Function of Electrodes in Active-Stylus	Jul 12, 2012	Jun 20, 2022	Atmel Corp	11000QQRG-18/UTM/DE
1243	202012101967.1	DE	Selective Scan of Touch-Sensitive Area for Passive or Active Touch or Proximity Input	Jul 13, 2012	May 30, 2022	Atmel Corp	11000QQRG-21/UTM/DE
1244	8,222,910	US	Method and Apparatus for Sub- Assembly Error Detection in High Voltage Analog Circuits and Pins	Jul 17, 2012	Jul 16, 2029	Atmel Corp	SILIP114/US
1245	8,223,049	US	Charge Injection Mechanism for Analog-to-Digital Converters	Jul 17, 2012	Dec 2, 2030	Atmel Corp	10042ND/US
1246	8,223,056	US	Cyclic Digital to Analog Converter	Jul 17, 2012	May 6, 2029	Atmel Corp	09007RFO/US
1247	8,223,133	US	Two-Dimensional Position Sensor	Jul 17, 2012	Jul 5, 2026	Atmel Corp	P023423QRG/COA/US
1248	8,223,888	US	Method and Receiving Unit for the Detection of Data Symbols	Jul 17, 2012	May 31, 2026	Atmel Corp	P000119/US/1
1249	8,224,883	US	Packed Add-Subtract Operation in a Microprocessor	Jul 17, 2012	Feb 13, 2026	Atmel Corp	ATM-448/DVA/US
1250	202012102252.4	DE	Dynamic Adjustment of Received Signal Threshold in an Active Stylus	Jul 17, 2012	Jun 19, 2022	Atmel Corp	11000QQRG-20/UTM/DE
1251	10-1168791	KR	Circuit For A Loop Antenna and Method for Tuning	Jul 19, 2012	Oct 27, 2029	Atmel Corp	P000411/KR/1
1252	202012102338.5	DE	Active Stylus with Configurable Touch Sensor	Jul 19, 2012	Jun 26, 2022	Atmel Corp	11000QQRG-03/UTM/DE

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1253	202012102253.2	DE	Power Management System for Active Stylus	Jul 24, 2012	Jun 19, 2022	Atmel Corp	11000QRG-04/UTM/DE
1254	202012102385.7	DE	Touch Screen with Electrodes Positioned Between Pixels	Jul 26, 2012	Jun 28, 2022	Atmel Corp	11047FLM/UTM/DE
1255	202012102386.5	DE	Touch Sensor with Lookup Table	Jul 26, 2012	Jun 28, 2022	Atmel Corp	11000QRG-29/UTM/DE
1256	202012102387.3	DE	Single-Layer Touch Sensor with Crossovers	Jul 26, 2012	Jun 28, 2022	Atmel Corp	11160FLM/UTM/DE
1257	202012102388.1	DE	Integrated Touch Screen	Jul 26, 2012	Jun 28, 2022	Atmel Corp	11121FLM/UTM/DE
1258	202012102427.6	DE	Modulating Drive Signal for Communication Between Active Stylus and Touch-Sensor Device	Jul 26, 2012	Jul 2, 2022	Atmel Corp	11000QRG-22/UTM/DE
1259	202012102444.6	DE	Execute Gestures with Active Stylus	Jul 26, 2012	Jul 3, 2022	Atmel Corp	11000QRG-06/UTM/DE
1260	8,233,252	US	ESD Protection Circuit for Low Voltages	Jul 31, 2012	Mar 16, 2026	Atmel Corp	P000107/US/1
1261	8,233,641	US	Method and Topology to Switch an Output Stage in a Class AB Audio Amplifier for Wireless Applications	Jul 31, 2012	Apr 19, 2025	Atmel Rousset	ATM-362/US
1262	8,233,867	US	Method for Obtaining Field Strength Information	Jul 31, 2012	May 12, 2030	Atmel Corp	P000283/US/2
1263	2110954	DE	Sendeschaltung, Verfahren zum Senden und Verwendung	Aug 1, 2012	Apr 1, 2029	Atmel Corp	P000394/DE/2
1264	8,237,266	US	Component Stacking for Integrated Circuit Electronic Package	Aug 7, 2012	Dec 20, 2025	Atmel Corp	3715P/COA/US
1265	8,237,456	US	Capacitive Sensing	Aug 7, 2012	Mar 2, 2029	Atmel Corp	P035809QRG/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1266	8,239,429	US	Output Buffer Receiving First and Second Input Signals and Outputting an Output Signal, and Corresponding Electronic Circuit	Aug 7, 2012	Apr 11, 2027	Atmel Corp	NTO-92/US
1267	8,239,437	US	Correlation Device	Aug 7, 2012	May 15, 2028	Atmel Corp	P000358/US/2
1268	ZL 200780031982.9	CN	Detector Based Combination Regulator	Aug 8, 2012	Aug 31, 2027	Atmel Corp	20275-0025001-L/CN
1269	8,241,925	US	Calibration of Temperature Sensitive Circuits with Heater Elements	Aug 14, 2012	Nov 24, 2029	Atmel Corp	09046NO/US
1270	8,244,786	US	Device and Method for Generating a Random Number	Aug 14, 2012	May 22, 2028	Atmel Corp	P000263/US/2
1271	8,244,959	US	Software Adapted Wear Leveling	Aug 14, 2012	Nov 10, 2028	Atmel Rousset	08029RFO/US
1272	202012102850.6	DE	Capacitive Coupling of Bond Pads	Aug 22, 2012	Jul 30, 2022	Atmel Corp	11082FLM/UTM/DE
1273	8,253,706	US	Apparatus Using a Differential Analog- to-Digital Converter	Aug 28, 2012	Jun 26, 2029	Atmel Corp	P036302QRG/US
1274	8,254,841	US	Method and Apparatus for Data Communication Between a Base Station and a Transponder	Aug 28, 2012	Apr 14, 2025	Atmel Corp	P801566/US/2
1275	8,255,722	US	Microcontroller with Clock Generator for Supplying Activated Clock Signal to Requesting Module to Conserve Power	Aug 28, 2012	Mar 9, 2029	Atmel Corp	08057NO/US
1276	202012102751.8	DE	Touch Sensor with Conductive Lines Having Different Widths	Aug 28, 2012	Jul 23, 2022	Atmel Corp	11148FLM/UTM/DE

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1277	ZL200610143149.0	CN	Two-Dimensional Position Sensor	Aug 29, 2012	Jul 7, 2026	Atmel Corp	P023423QRG/CN
1278	102004013885.0	DE	Method and Modulation Control Device for Wireless Data Transmission	Aug 30, 2012	Mar 16, 2024	Atmel Corp	P801924/DE/1
1279	102010046187.3	DE	Circuit for Analog-Digital Conversion	Aug 30, 2012	Sep 23, 2030	Atmel Automotive	P000443/DE/1
1280	202012103019.5	DE	Current-Mode Sense Amplifier for High-Speed Sensing	Aug 30, 2012	Aug 10, 2022	Atmel Corp	11131MEM/UTM/DE
1281	202012103021.7	DE	Self-Power for Device Driver	Aug 30, 2012	Aug 10, 2032	Atmel Corp	11107MCU/UTM/DE
1282	202012103051.9	DE	Circuit for Driving Light Emitting Elements	Aug 30, 2012	Aug 13, 2022	Atmel Corp	11106MCU/UTM/DE
1283	202012103052.7	DE	Adaptive Phase-Lead Compensation with Miller Effect	Sep 3, 2012	Aug 13, 2022	Atmel Corp	11114MEM/UTM/DE
1284	202012103054.3	DE	Programmable Logic Unit	Sep 3, 2012	Nov 23, 2021	Atmel Corp	11055MCU/UTM/DE
1285	8,258,599	US	An Electronics Package with an Integrated Circuit Device Having Post Wafer Fabrication Integrated Passive Components	Sep 4, 2012	Dec 15, 2025	Atmel Corp	ATM-490/CIA/US
1286	8,258,860	US	Circuit, an Adjusting Method, and Use of a Control Loop	Sep 4, 2012	Oct 28, 2029	Atmel Corp	P000406/US/2
1287	8,261,072	US	Method and System for Secure External TPM Password Generation and Use	Sep 4, 2012	Nov 30, 2026	Atmel Corp	4804P-MA/US
1288	202012102966.9	DE	Multi-Surface Touch Sensor Device with Mode of Operation Selection	Sep 5, 2012	Aug 7, 2022	Atmel Corp	11119FLM/UTM/DE

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1289	202012102967.7	DE	Power Management System for Active Stylus	Sep 5, 2012	Oct 28, 2022	Atmel Corp	11000QRG-15/UTM/DE
1290	202012102976.6	DE	Communication Between a Master Stylus and a Slave Touch-Sensor Device	Sep 5, 2012	Aug 8, 2022	Atmel Corp	11000QRG-38/UTM/DE
1291	202012102987.1	DE	Scaling Voltage for Data Communication Between Active Stylus and Touch-Sensor Device	Sep 5, 2012	Aug 9, 2022	Atmel Corp	11000QRG-23/UTM/DE
1292	ZL2006800114472	CN	Demodulations- and Amplification Regulation Concept, in Particular for IR Receivers	Sep 5, 2012	Apr 3, 2026	Atmel Corp	P000002/CN/1
1293	102004017165.3	DE	Circuit for Increasing the Unity Gain Crossover Frequency of an Amplifier Element	Sep 6, 2012	Apr 1, 2024	Atmel Corp	P000044/DE/1
1294	202012103007.1	DE	Sense Amplifier with Offset Current Injection	Sep 6, 2012	Aug 10, 2022	Atmel Corp	11113MEM/UTM/DE
1295	8,264,075	US	Stacked-Die Package Including Substrate-Ground Coupling	Sep 11, 2012	Nov 19, 2030	Atmel Corp	ATM-475/COA/US
1296	8,265,127	US	Detecting Data Symbols	Sep 11, 2012	Nov 9, 2026	Atmel Corp	P000166/US/2
1297	8,266,459	US	Supplying Voltage to Digital Subcircuits	Sep 11, 2012	Oct 16, 2029	Atmel Corp	P000403/US/2
1298	202012102443.8	DE	Locking Active Stylus and Touch- Sensor Device	Sep 13, 2012	Jul 3, 2022	Atmel Corp	11000QRG-37/UTM/DE
1299	202012102975.8	DE	Capacitive and Inductive Sensing	Sep 14, 2012	Aug 8, 2022	Atmel Corp	11000QRG-13/UTM/DE
1300	202012102989.8	DE	Touch Sensor with Passive Electrical Components	Sep 17, 2012	Aug 9, 2022	Atmel Corp	11043QRG/UTM/DE
1301	202012102989.8	DE	Touch Sensor with Reduced Anti-Touch Effects	Sep 17, 2012	Aug 27, 2022	Atmel Corp	11115QRG/UTM/DE

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
1302	8,269,524	US	General Purpose Input/Output Pin Mapping	Sep 18, 2012	Apr 27, 2030	Atmel Nantes	09052NTO/US
1303	8,270,242	US	Sense Amplifier Apparatus and Methods	Sep 18, 2012	Jun 25, 2029	Atmel Corp	09025RFO/US
1304	202012102752.6	DE	Tuning Algorithm for Noise Reduction in an Active Stylus	Sep 18, 2012	Jul 23, 2022	Atmel Corp	11000QRG-26/UTM/DE
1305	202012102787.9	DE	Executing Gestures with Active Stylus	Sep 18, 2012	Jul 25, 2022	Atmel Corp	11000QRG-11/UTM/DE
1306	202012103338.0	DE	Connecting Conductive Layers Using In-Mould Lamination And Decoration	Sep 18, 2012	Sep 3, 2022	Atmel Corp	11134FLM/UTM/DE
1307	202012102572.8	DE	Differential Sensing in an Active Stylus	Sep 20, 2012	Jul 12, 2022	Atmel Corp	11000QRG-19/UTM/DE
1308	202012103286.4	DE	Sensor Stack with Opposing Electrodes	Sep 20, 2012	Aug 29, 2022	Atmel Corp	11085FLM/02/UTM/DE
1309	202012103287.2	DE	System and Method for Reducing the Effects of Parasitic Capacitances	Sep 20, 2012	Aug 29, 2022	Atmel Corp	11116QRG/UTM/DE
1310	202012103308.9	DE	Thin Dielectric Layer For Touch Sensor Stack	Sep 20, 2012	Aug 30, 2022	Atmel Corp	11127FLM/UTM/DE
1311	202012103339.9	DE	Preventing or Reducing Corrosion to Conductive Sensor Traces	Sep 20, 2012	Sep 3, 2022	Atmel Corp	11123FLM/UTM/DE
1312	202012103357.7	DE	Buffer-Reference Self-Capacitance Measurement	Sep 24, 2012	Sep 4, 2022	Atmel Corp	11140QRG/UTM/DE
1313	202012103377.1	DE	Inter Touch -Sensor Communications	Sep 24, 2012	Sep 5, 2022	Atmel Corp	11071QRG/UTM/DE
1314	202012103379.8	DE	Current Mirror Self-Capacitance Measurement	Sep 24, 2012	Sep 24, 2022	Atmel Corp	12010QRG/UTM/DE

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1315	8,274,370	US	Modulator and Modulation Method for a Wireless Data Transmission Device	Sep 25, 2012	Jul 11, 2025	Atmel Corp	P000072/US/1
1316	202012103232.5	DE	Enhanced Touch Detection Methods	Sep 25, 2012	Aug 27, 2022	Atmel Corp	11078QQRG/UTM/DE
1317	202012103238.4	DE	Touch Sensor Tracks	Sep 25, 2012	Aug 28, 2022	Atmel Corp	11147FLM/UTM/DE
1318	202012103240.6	DE	Corrosion Resistant Touch Sensor	Sep 25, 2012	Aug 28, 2022	Atmel Corp	11125FLM/UTM/DE
1319	202012103275.9	DE	On-Display-Sensor Stack	Sep 26, 2012	Aug 29, 2022	Atmel Corp	11085FLM/03/UTM/DE
1320	ZL2009101335637	CN	Transmission Switch, Transmission Mode and Use	Sep 26, 2012	Apr 14, 2029	Atmel Corp	P000394/CN/1
1321	202012103361.5	DE	Flexible Touch Sensor Input Device	Sep 28, 2012	Sep 4, 2022	Atmel Corp	11126FLM/UTM/DE
1322	8,278,150	US	Stackable Packages for Three- Dimensional Packaging of Semiconductor Dice	Oct 2, 2012	Sep 27, 2030	Atmel Corp	ATM-471/DVA/US
1323	8,279,007	US	Switch for Use in a Programmable Gain Amplifier	Oct 2, 2012	Oct 2, 2030	Atmel Corp	IDT2659/US
1324	8,279,015	US	Frequency Locking Oscillator	Oct 2, 2012	Sep 17, 2030	Atmel Corp	10035NO/US
1325	8,279,189	US	Touch-Sensitive User Interface	Oct 2, 2012	Aug 11, 2029	Atmel Corp	P036299QQRG/US
1326	8,284,030	US	Method and Device for Recognizing Functional States in RFID or Remote Sensor Systems	Oct 9, 2012	Apr 12, 2025	Atmel Corp	P000004/US/2
1327	ZL 200780014824.2	CN	Deep Under Voltage Recovery in a Battery Pack	Oct 10, 2012	Mar 8, 2027	Atmel Corp; Sony Corp (Japan)	20275-0008001/CN

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1328	ZL200910133562.2	CN	Receiving Circuit, Method for Receiving a Signal, and Use of a Detection Circuit and a Control Circuit	Oct 10, 2012	Apr 14, 2029	Atmel Corp	P000392/CN/1
1329	102007054201	DE	Receiver Circuit, Application of a First and a Second Proportional Element of a Digital PLL Structure, and Method for Receiving a Frequency-Shift Keyed Signal	Oct 11, 2012	Nov 12, 2027	Atmel Corp	P000349/DE/1
1330	8,289,082	US	Circuit and Method for Adjusting an Offset Output Current for an Input Current Amplifier	Oct 16, 2012	Oct 16, 2032	Atmel Corp	P000434/US/2
1331	8,296,852	US	Transponder, RFID System and Method for RFID System With Key Management	Oct 23, 2012	Jul 5, 2027	Atmel Corp	P000278/US/2
1332	ZL200780012117.X	CN	Method and Circuits for Sensing On-Chip Voltage in Powerup Mode	Oct 31, 2012	Apr 2, 2027	Atmel Corp	ATMSP-037/CN
1333	8,306,489	US	Circuit For A Loop Antenna and Method for Tuning	Nov 6, 2012	Oct 14, 2029	Atmel Corp	P000411/US/2
1334	1722416	DE	Integrierter Schaltkreis mit Abgleichelementen und Verfahren zu seiner Herstellung	Nov 14, 2012	May 4, 2026	Atmel Corp	P000151/DE/2
1335	8,314,572	US	Apparatus and Methodology for Enhancing Efficiency of a Power Distribution System Having Power Factor Correction Capability by Using a Self-Calibrating Controller	Nov 20, 2012	Mar 23, 2032	Atmel Corp	SILIP108/US
1336	8,315,276	US	Transmitting Data Between a Base Station and a Transponder	Nov 20, 2012	Mar 16, 2031	Atmel Corp	P800157/US/2
1337	8,316,017	US	Apparatus and Method for the Detection of and Recovery from Inappropriate Bus Access in Microcontroller Circuits	Nov 20, 2012	Jun 26, 2026	Atmel Corp	ATM-446/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1338	8,316,174	US	Microcontroller Based Flash Memory Digital Controller System	Nov 20, 2012	Nov 28, 2025	Atmel Corp	3441P/COA/US
1339	202012103239.2	DE	Method and System for Mechanical Coupling of Flexible Printed Circuit to a Sensor	Nov 22, 2012	Aug 28, 2022	Atmel Corp	11135FLM/UTM/DE
1340	202012102882.4	DE	Color Correcting Device Driver	Nov 23, 2012	Jul 31, 2022	Atmel Corp	11089MCU/UTM/DE
1341	202012102884.0	DE	Driving Circuits for Light Emitting Elements	Nov 23, 2012	Jul 31, 2022	Atmel Corp	11087MCU/UTM/DE
1342	8,319,509	US	Testing Circuit for an Analog to Digital Converter	Nov 27, 2012	Apr 30, 2032	Atmel Corp	12014MCU/US
1343	202012102994.4	DE	Power Conversion Feedback Control Circuit	Nov 27, 2012	Aug 9, 2022	Atmel Corp	11108MCU/UTM/DE
1344	8,324,023	US	A Stacked-Die Electronics Package with Planar and Three-Dimensional Inductor Elements	Dec 4, 2012	Jul 13, 2026	Atmel Corp	ATM-491/DVA/US
1345	8,327,161	US	Command Decoder for Microcontroller Based Flash Memory Digital Controller System	Dec 4, 2012	Aug 10, 2029	Atmel Corp	3442P/COA/US
1346	ZL 200810161840.0	CN	Differential Power Amplifier with Single Ended Output	Dec 19, 2012	Oct 8, 2028	Atmel Corp	4252P/CN
1347	102004064118.0	DE	Infrared Receiver Chip	Dec 20, 2012	Mar 3, 2024	Atmel Corp	P000051/DE/2
1348	8,338,970	US	Integrated Circuit With Trimming Elements and Method	Dec 25, 2012	May 10, 2026	Atmel Corp	P000151/US/2
1349	8,339,174	US	Apparatus, Circuit and Method for Automatic Phase-Shifting Pulse Width Modulated Signal Generation	Dec 25, 2012	Feb 25, 2030	Atmel Corp	SILIP116/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1350	8,340,236	US	Circuit for a Radio System, Use and Method for Operation	Dec 25, 2012	Oct 14, 2029	Atmel Corp	P000404/US/2
1351	1818858	DE	Transponder und Verfahren zur drahtlosen DatenObertragung	Dec 26, 2012	Feb 9, 2027	Atmel Corp	P000238/DE/1
1352	ZL20078004922.8	CN	Method for Forming the Edges of Signals and Emitter/Receiver Module for a BUS System	Dec 26, 2012	Nov 30, 2027	Atmel Corp	P000328/CN/1
1353	8,344,817	US	Compensating DFLL With Error Averaging	Jan 1, 2013	Jan 1, 2032	Atmel Corp	10039NO/US
1354	ZL200910134419.5	CN	Capacitive Position Sensor	Jan 2, 2013	Apr 10, 2029	Atmel Corp	P036296QRG/CN
1355	ZL200910263718.9	CN	System, Method and Switch for Measuring the Distance Between two Nodes of a Wireless Network	Jan 2, 2013	Dec 30, 2029	Atmel Corp	P000421/CN/1
1356	ZL201220199977.7	CN	Flexible Touch Sensor Input Device	Jan 9, 2013	May 4, 2022	Atmel Corp	11126FLM/UTM/CN
1357	ZL200910263720.6	CN	Schaltung und Verfahren zur Entfernungsmessung zwischen zwei Knoten	Jan 16, 2013	Dec 30, 2029	Atmel Corp	P000422/CN/1
1358	ZL201220205313.7	CN	Touch Sensor with Conductive Lines Having Portions with Different Widths	Jan 16, 2013	May 9, 2022	Atmel Corp	11148FLM-A/UTM/CN
1359	8,358,251	US	Antenna for a Backscatter-Based RFID Transponder	Jan 22, 2013	Dec 29, 2032	Atmel Corp	P000337/US/2
1360	8,363,708	US	Receiving circuit, method for receiving a signal, and use of a detection circuit and a control circuit	Jan 29, 2013	Apr 14, 2029	Atmel Corp	P000392/US/2
1361	8,363,737	US	Wireless Data Transmission Between a Base Station and a Transponder Via Inductive Coupling	Jan 29, 2013	Feb 12, 2027	Atmel Corp	P000227/US/2

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
1362	8,368,516	US	Secure Data Exchange with a Transponder	Feb 5, 2013	Jun 25, 2027	Atmel Corp	P000259/US/3
1363	8,370,606	US	Switching Data Pointers Based on Context	Feb 5, 2013	Mar 16, 2027	Atmel Corp	20275-0039001/US
1364	8,370,687	US	A Mechanism for Storing and Extracting Trace Information Using Internal Memory in Micro Controllers	Feb 5, 2013	Jun 7, 2025	Atmel Corp	3540P/COB/US
1365	ZL 200880009607.9	CN	Correlating Device	Feb 6, 2013	May 14, 2028	Atmel Corp	P000358/CN/1
1366	8,372,209	US	Ex-Situ Component Recovery	Feb 12, 2013	Oct 24, 2032	Atmel Corp	08015CSO/DVA/US
1367	8,373,364	US	Smart Monitoring of Light Emitting Diode Strings	Feb 12, 2013	Dec 29, 2029	Atmel Corp	SILIP117/US
1368	5,198,247	JP	Method and apparatus for operating a wireless PAN network using an overlay protocol that enhances co-existence with a wireless LAN network	Feb 15, 2013	Mar 14, 2026	Atmel Corp	OZ0600/JP
1369	5,199,931	JP	Eight-Bit Microcontroller Having a RISC Architecture	Feb 15, 2013	Mar 13, 2018	Atmel Corp	ATM-092/DVA/JP
1370	8,378,414	US	Low Leakage FinFETs	Feb 19, 2013	Apr 4, 2026	Atmel Corp	ATM-409/PRI/US
1371	8,378,957	US	Methods and Circuits for Triode Region Detection	Feb 19, 2013	Apr 28, 2028	Atmel Corp	SILIP111/US
1372	8,378,961	US	Control of Light-Emitting-Diode Backlight Illumination Through Frame Insertion	Feb 19, 2013	Jan 15, 2030	Atmel Corp	SILIP118/US
1373	8,378,981	US	Capacitive Sensing with High- Frequency Noise Suppression	Feb 19, 2013	May 14, 2029	Atmel Corp	P032323QRG/US

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
1374	8,379,012	US	Selector Switch for Direct Connection of Switched Regulator to Voltage Inputs	Feb 19, 2013	Jul 17, 2029	Atmel Corp	09028NO/US
1375	8,380,137	US	Circuit, Process, and Use of a Memory for Transmitting and/or Receiving in a Radio Network	Feb 19, 2013	Sep 10, 2029	Atmel Corp	P000384/US/2
1376	ZL 2007 8 0025925.X	CN	Priority Suppression Technique (PST) and Combination	Feb 27, 2013	May 23, 2027	Atmel Corp	P026494QRG/CN
1377	20 2013 100 869.9	DE	Self-Capacitance Measurement with Compensated Capacitance	Mar 7, 2013	Feb 28, 2023	Atmel Corp	11145QRG/UTM/DE
1378	8,395,461	US	Mode Switching RC Network	Mar 12, 2013	Jul 2, 2028	Atmel Corp	08023SJO/COA/US
1379	8,397,124	US	Memory System, Sense Amplifier, Use, and Method for Error Detection by Means of Parity Bits of a Block Code	Mar 12, 2013	Jul 23, 2029	Atmel Corp	P000408/US/2
1380	60 2004 041 321.6	DE	Method And Corresponding Apparatus For The Automatic Detection Of The Bit Rate Of A Network, Particularly Of Type Can (Controller Area Network), And For The Configuration Of The Network At The Detected Bit Rate	Mar 13, 2013	Sep 13, 2024	Atmel Corp	NT0-60/DE
1381	8,400,209	US	Proximity Detection	Mar 19, 2013	Oct 22, 2030	Atmel Corp	10030Q RG/US
1382	8,402,180	US	Autonomous Multi-Packet Transfer for Universal Serial Bus	Mar 19, 2013	Mar 26, 2030	Atmel Corp	09064NO/US
1383	ZL200880013855.0	CN	AHB-Lite Slave Serializer Method for a Multi-Chip Implementation	Mar 20, 2013	Apr 23, 2028	Atmel Corp	4092P/CN

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1384	8,405,543	US	Circuit and Method for Distance Measurement Between Two Nodes of a Radio Network	Mar 26, 2013	Dec 29, 2029	Atmel Corp	P000422/US/2
1385	8,406,117	US	Transmission Circuit and Method for Transmitting a Bit Sequence to be Transmitted	Mar 26, 2013	Jun 9, 2029	Atmel Corp	P000401/US/3
1386	8,406,144	US	Circuit, System an Method for Communication Between Two Nodes of a Radio Network	Mar 26, 2013	Dec 29, 2029	Atmel Corp	P000420/US/2
1387	1391805	TV/	Efficient Charge Pump for a Wide Range of Supply Voltages	Apr 1, 2013	Jun 23, 2026	Atmel Corp	ATM-394/TW
1388	8,415,939	US	Circuit and Method for Operating a Circuit	Apr 9, 2013	May 31, 2032	Atmel Corp	P000395/US/3
1389	8,415,975	US	Programmable Logic Unit	Apr 9, 2013	Nov 23, 2031	Atmel Corp	11055MCU/US
1390	8,416,117	US	Analog to Digital Converter with Dual Integrating Capacitor Systems	Apr 9, 2013	Aug 11, 2031	Atmel Corp	11026QQRG/US
1391	8,417,902	US	One-Time-Programmable Memory Emulation	Apr 9, 2013	Aug 5, 2028	Atmel Rousset	08012RFO/US
1392	8,421,666	US	Analog to Digital Converter with Adjustable Conversion Window	Apr 16, 2013	Aug 11, 2031	Atmel Corp	11027QQRG/US
1393	ZL200910204233.2	CN	Schaltung eines Funksystems, Verwendung and Verfahren zum Betrieb	Apr 17, 2013	Oct 14, 2029	Atmel Corp	P000404/CN/1
1394	ZL200910262546.3	CN	Periodischer Empfang zur Stromverbrauchsreduzierung	Apr 17, 2013	Dec 29, 2029	Atmel Corp	P000412/CN/1

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
1395	5,255,457	JP	Deep Under Voltage Recovery in a Battery Pack	Apr 26, 2013	Mar 8, 2027	Atmel Corp; Sony Corp (Japan)	20275-0008001/J/P
1396	8,429,814	US	Method of Assembling a Multi- Component Electronic Package	Apr 30, 2013	Nov 8, 2026	Atmel Corp	ATM-525/PRI/US
1397	8,432,173	US	Capacitive Position Sensor	Apr 30, 2013	Feb 10, 2030	Atmel Corp	P027102QRG/C0C/US
1398	1395101	TW	High Speed Interface for High-Density Flash With Two Levels of Pipelined Cache	May 1, 2013	Jul 4, 2026	Atmel Corp	ATM-346/TW
1399	8,438,319	US	Method and apparatus for virtualizing hardware dongle over a wireless connection	May 7, 2013	Jun 24, 2031	Atmel Corp	OZ1910/US
1400	ZL 2007800366541.4	CN	Analog Combination Regulator	May 8, 2013	Sep 28, 2027	Atmel Corp	20275-0021001-L/CN
1401	ZL200910167041.9	CN	Schaltung, Verfahren zum Betrieb einer Schaltung und Verwendung	May 8, 2013	Aug 17, 2029	Atmel Corp	P000403/CN/1
1402	ZL200910208103.6	CN	Schaltung, Verfahren zum Einstellen und Verwendung eines Regelkreises	May 8, 2013	Oct 28, 2029	Atmel Corp	P000406/CN/1
1403	1396203	TW	Self-Adaptive Program Delay Circuitry for Programmable Memories	May 11, 2013	Aug 8, 2025	Atmel Corp	ATM-320/TW
1404	1396370	TW	Charge Pump for Intermediate Voltage	May 11, 2013	Nov 21, 2026	Atmel Corp	ATMSP-034/TW
1405	8,441,199	US	Method and Apparatus for an Intelligent Light Emitting Diode Driver Having Power Factor Correction Capability	May 14, 2013	Dec 29, 2029	Atmel Corp	SILIP113/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1406	8,443,423	US	Secure Information Processing	May 14, 2013	Aug 26, 2028	Atmel Corp	08026NO/COA/US
1407	6.02004E+11	DE	Anisotropic Touch Screen Element	May 22, 2013	Aug 9, 2024	Atmel Corp	P018137QRG/DE
1408	8,451,061	US	Amplification of an Incoming Signal Received Via an Antenna	May 28, 2013	Sep 7, 2031	Atmel Corp	P000444/US/2
1409	8,451,237	US	Sensitivity Control as a Function of Touch Shape	May 28, 2013	Jul 26, 2029	Atmel Corp	09032QRG/US
1410	8,451,897	US	Highly Parallel Pipelined Hardware Architecture For Integer And Sub-Pixel Motion Estimation	May 28, 2013	Dec 4, 2026	Atmel Corp	ATM-450/US
1411	8,455,304	US	Routeable Array Metal Integrated Circuit Package Fabricated Using Partial Etching Process	Jun 4, 2013	Jul 30, 2030	Atmel Corp	10013CSO/US
1412	ZL201220143347.8	CN	Low-Resistance Electrodes	Jun 5, 2013	Apr 6, 2022	Atmel Corp	11098FLM/UTM/CN
1413	ZL201220154749.8	CN	Capacitive Coupling of Bound Pads	Jun 5, 2013	Apr 12, 2022	Atmel Corp	11082FLM/UTM/CN
1414	8,461,912	US	Switched-Capacitor, Curvature-Compensated Bandgap Voltage Reference	Jun 11, 2013	Dec 20, 2031	Atmel Corp	11117MCU/US
1415	ZL 200880014680.5	CN	Storage Device Wear Leveling	Jun 12, 2013	May 2, 2028	Atmel Corp	20275-0042001-L/CN
1416	ZL200910262544.4	CN	Transmitter-Receiver Circuit and Method for Distance Measurement Between a First Node and a Second Node of a Radio Network	Jun 12, 2013	Dec 29, 2029	Atmel Corp	P000423/CN/1
1417	8,468,281	US	Apparatus to Improve Bandwidth for Circuits Having Multiple Memory Controllers	Jun 18, 2013	Apr 30, 2029	Atmel Corp	ATM-297/PRI/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1418	8,471,244	US	Method and System for Providing a Metal Oxide Semiconductor Device Having a Drift Enhanced Channel	Jun 25, 2013	Dec 4, 2026	Atmel Corp	4016P/US
1419	8,471,636	US	Differential Pair with Constant Offset	Jun 25, 2013	Mar 7, 2032	Atmel Rousset	09048RFO/DVA/US
1420	8,476,965	US	Method and Circuit for an Operating Area Limiter	Jul 2, 2013	Mar 10, 2028	Atmel Corp	SILIP112/US
1421	8,477,017	US	Communication Method in RFID or Remote Sensor Systems	Jul 2, 2013	Nov 7, 2031	Atmel Corp	P000082/US/2
1422	8,477,829	US	Differential Detection in a Communication System	Jul 2, 2013	Dec 8, 2031	Atmel Corp	P000117/US/2
1423	5.02007E+11	DE	Differential Amplifier and Radio System with Differential Amplifier	Jul 3, 2013	Jan 25, 2027	Atmel Corp	P000228/DE/2
1424	8,484,436	US	Processor Independent Loop Entry Cache	Jul 9, 2013	Sep 2, 2030	Atmel Rousset	10024RFO/US
1425	8,487,424	US	Routable Array Metal Integrated Circuit Package Fabricated Using Partial Etching Process	Jul 16, 2013	Mar 21, 2032	Atmel Corp	10013CSO/COA/US
1426	8,490,013	US	Method and Apparatus for Single Touch Zoom Using Spiral Rotation	Jul 16, 2013	Jul 30, 2029	Atmel Corp	09020QQRG/US
1427	8,493,045	US	Voltage Regulator Configuration	Jul 23, 2013	Dec 22, 2030	Atmel Corp	10043NO/US
1428	8,493,300	US	Architecture and Technique for Inter- Chip Communication	Jul 23, 2013	Mar 11, 2028	Atmel Corp	SILIP106/US
1429	8,497,741	US	High Accuracy RC Oscillator	Jul 30, 2013	Oct 12, 2031	Atmel Corp	11084MCU/US

	Patent No.	C'ty.	Title	Issue	Expiration (nominal)	Owner(s)	Atmel Ref.
1430	ZL200910246803.4	CN	Antennenverkabelung im Kfz	Jul 31, 2013	Sep 25, 2029	Atmel Corp	P000416/CN/1
1431	8,502,474	US	Primary Side PFC Driver with Dimming Capability	Aug 6, 2013	Sep 29, 2031	Atmel Corp	11059MCU/US
1432	8,502,547	US	Capacitive Sensor	Aug 6, 2013	Nov 4, 2030	Atmel Corp	P027102QRG/COB/US
1433	8,502,796	US	Interpolated Single-Layer Touch Sensor	Aug 6, 2013	Aug 27, 2032	Atmel Corp	11053QRG/US
1434	8,504,816	US	Integrated Circuit Device Configuration	Aug 6, 2013	Jan 12, 2030	Atmel Rousset	09051RFO/US
1435	ZL200780022934.3	CN	Capacitive Position Sensor	Aug 7, 2013	Jun 19, 2027	Atmel Corp	P026440QRG/CN
1436	1405060	TW	Method and Circuit for Current Limitation in Low Drop Out Voltage Regulators	Aug 11, 2013	Apr 12, 2026	Atmel Corp	ATMSP-012/TW2
1437	8,508,730	US	Quality Assurance of a Solid-State Illumination Source	Aug 13, 2013	Jan 28, 2031	Atmel Corp	SILIP121/US
1438	8,514,645	US	Current-Mode Sense Amplifier for High-Speed Sensing	Aug 20, 2013	Dec 13, 2031	Atmel Corp	11131MEM/US
1439	8,516,167	US	Microcontroller System BUS scheduling for Multiport Slave Modules	Aug 20, 2013	Aug 3, 2031	Atmel Corp	11031MCU/US
1440	ZL200780026653.5	CN	Method and Apparatus to Prevent High Voltage Supply Degradation for High-Voltage Latches of a Non-Volatile Memory	Aug 28, 2013	Jun 22, 2027	Atmel Corp	ATM-483/CN
1441	5,351,523	JP	Power Surge Filtering in Over-Current and Short-Circuit Protection	Aug 30, 2013	Mar 8, 2027	Atmel Corp; Sony Corp (Japan)	20275-0009001/JP

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1442	8,525,329	US	Component Stacking for Integrated Circuit Electronic Package	Sep 3, 2013	Jan 16, 2028	Atmel Corp	3715P/COB/US
1443	8,525,583	US	Circuit, An Adjusting Method, and Use of a Control Loop	Sep 3, 2013		Atmel Corp	P000406/US/3
1444	8,525,672	US	Passive Entry and/or Passive Go System and Associated Operating Method	Sep 3, 2013	Apr 25, 2027	Atmel Corp	P000282/US/2
1445	8,526,540	US	Method and Receiving Unit for the Detection of Data Symbols	Sep 3, 2013	Jun 13, 2032	Atmel Corp	P000119/US/2
1446	8,526,767	US	Gesture Recognition	Sep 3, 2013	Oct 20, 2028	Atmel Corp	P033523QRG/US
1447	ZL200910139122.8	CN	Schaltung und Verfahren zum Betrieb einer Schaltung	Sep 4, 2013	May 7, 2029	Atmel Corp	P000395/CN/1
1448	8,530,934	US	Integrated Circuit Structures Containing a Strain-Compensated Compound Semiconductor Layer and Methods and Systems Related Thereto	Sep 10, 2013	Oct 11, 2030	Atmel Corp	ATM-424/PRI/US
1449	8,531,022	US	Routable Array Metal Integrated Circuit Package	Sep 10, 2013	Mar 6, 2029	Atmel Corp	09008CSO/US
1450	8,533,433	US	Microprocessor for Executing Byte Compiled Java Code	Sep 10, 2013	Apr 1, 2022	Atmel Corp	ATM-541/COC/US
1451	8,533,439	US	Elastic Shared RAM Arrya Including Contiguous Instruction and Data Portions Distinct from Each other	Sep 10, 2013	Nov 7, 2025	Atmel Corp	3682P/US
1452	8,533,654	US	Signal Processing	Sep 10, 2013		Atmel Corp	P035210QRG/COA/US

	Patent No.	C'try	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1453	8,536,880	US	Capacitive Sensor with Additional Noise-Registering Electrode	Sep 17, 2013	Apr 8, 2030	Atmel Corp	P031403QRG/US
1454	8,536,933	US	Method and Circuit for an Operating Area Limiter	Sep 17, 2013	Mar 10, 2028	Atmel Corp	SI LIP112/COA/US
1455	8,545,636	US	Conductivity Control of Water Content in Solvent Strip Baths	Oct 1, 2013	Jun 20, 2027	Atmel Corp	ATM-445/US
1456	8,547,323	US	Control of Light-Emitting-Diode Backlight Illumination Through Frame Insertion	Oct 1, 2013	Mar 23, 2032	Atmel Corp	SI LIP118/COA/US
1457	10-1318021	KR	Deep Under Voltage Recovery in a Battery Pack	Oct 7, 2013	Mar 8, 2027	Atmel Corp; Sony Corp (Japan)	20275-0008001/KR
1458	8,552,315	US	Two-Dimensional Position Sensor	Oct 8, 2013	Sep 3, 2029	Atmel Corp	09005QRG/US
1459	8,552,837	US	Data Transmission Method and Apparatus in RFID and Remote Sensor Systems	Oct 8, 2013	Mar 24, 2025	Atmel Corp	P000010/US/2
1460	8,552,899	US	Analog-Digital Conversion	Oct 8, 2013	Sep 19, 2031	Atmel Automotive	P000443/US/2
1461	8,552,994	US	Method and Apparatus to Measure Self- Capacitance Using a Single Pin	Oct 8, 2013	Sep 25, 2029	Atmel Corp	09024QRG/US
1462	8,552,995	US	Sensor and Method of Sensing	Oct 8, 2013	Oct 22, 2029	Atmel Corp	P035211QRG/US
1463	8,553,460	US	Method and System for Program Pulse Generation During Programming of Nonvolatile Electronic Devices	Oct 8, 2013	Jan 10, 2032	Atmel Corp	3220P/DVA/US
1464	8,553,674	US	Method for Wireless Data Transmission	Oct 8, 2013	Mar 7, 2031	Atmel Corp	P000058/US/2

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1465	8,555,041	US	Method for performing a return operation in parallel with setting status flags based on a return value register test	Oct 8, 2013	Jun 10, 2025	Atmel Corp	ATM-386/PRI/US
1466	8,558,495	US	Sensorless BLDC Motor Control by Comparing Instantaneous & Average BEMF Voltages	Oct 15, 2013	Aug 1, 2031	Atmel Corp	11033MCU/US
1467	8,558,581	US	Analog Rail-To-Rail Comparator with Hysteresis	Oct 15, 2013	Nov 11, 2031	Atmel Corp	11093MCU/US
1468	8,564,314	US	A capacitive touch sensor for identifying a fingerprint	Oct 22, 2013	Nov 2, 2030	Atmel Corp	10036Q RG/US
1469	8,564,552	US	Touchscreen Electrode Arrangement (FLM)	Oct 22, 2013	Oct 26, 2029	Atmel Corp	09030QRG/US
1470	8,568,822	US	Apparatus and Method Incorporating Discrete Passive Components in an Electronic Package	Oct 29, 2013	Dec 16, 2025	Atmel Corp	ATM-567/DVA/US
1471	8,571,005	US	Method and Apparatus for Synchronization of a Master Timebase with One or More Slave Timebases Using Indirect Signalling of Timing Information	Oct 29, 2013	Jun 12, 2026	Atmel Corp	OZ0810/US
1472	8,571,490	US	Transmitting/Receiving Device and Method for Transmitting Data in a Radio Network	Oct 29, 2013	Mar 11, 2031	Atmel Corp	P000436/US/2
1473	8,572,298	US	Architecture to Connect Circuitry Between Customizable and Predefined Logic Areas	Oct 29, 2013	Jan 29, 2027	Atmel Corp	ATMSP-044/US
1474	8,575,863	US	Color Correcting Device Driver	Nov 5, 2013	Nov 8, 2031	Atmel Corp	11089MCU/US
1475	8,575,997	US	Voltage Scaling System	Nov 5, 2013	Aug 22, 2032	Atmel Corp	12088MCU/US

	Patent No.	C'ty	Title	Issue	Expiration (nominal)	Donor(s)	Atmel Ref.
1476	8,576,182	US	Methods and Apparatuses to Test the Functionality of Capacitive Sensors	Nov 5, 2013	Sep 1, 2029	Atmel Corp	09006QQRG/US
1477	8,577,295	US	Method and Apparatus for Data Communication Between a Base Station and a Transponder	Nov 5, 2013	Mar 18, 2031	Atmel Corp	P801566/US/3
1478	8,581,810	US	Methods and Circuits for Self-Calibrating Controller	Nov 12, 2013	Jun 24, 2028	Atmel Corp	SILIP107/US
1479	8,581,828	US	Load Aware Compensation In Light-Emitting Diode Backlight Illumination Systems	Nov 12, 2013	Apr 30, 2030	Atmel Corp	SILIP119/US
1480	8,581,886	US	Tuning Algorithm for Noise Reduction in an Active Stylus	Nov 12, 2013		Atmel Corp	11000QQRG-26/US
1481	8,587,359	US	Level Shifter with Output Latch	Nov 19, 2013	Aug 7, 2029	Atmel Corp	09034NO/US
1482	8,588,021	US	Sense Amplifier Apparatus and Methods	Nov 19, 2013	Aug 13, 2032	Atmel Corp	09025RFO/COA/US
1483	8,593,424	US	Two-Dimensional Position Sensor	Nov 26, 2013	Jun 11, 2032	Atmel Corp	P023423QQRG/COB/US
1484	8,594,259	US	Receiving Circuit, Use, and Method for Receiving an Encoded and Modulated Radio Signal	Nov 26, 2013	Feb 19, 2030	Atmel Corp	P000348/US/2
1485	8,598,894	US	Noise Handling in Capacitive Touch Sensors	Dec 3, 2013	Nov 7, 2031	Atmel Corp	P035213QQRG/COA/US
1486	8,599,161	US	Dual-Substrate-Sensor Stack With Electrodes Opposing a Display	Dec 3, 2013	Sep 14, 2032	Atmel Corp	09041QQRG/COC/US
1487	5,352,967	US	Method and apparatus for charging storage batteries to full capacity	Oct 4, 1994		Atmel Corp	

	Patent No.	C'ty	Title	Issue	Examination (nominate)	Donor(s)	Atmel Ref.
1488	5,398,258	US	Wireless communication system	Mar 14, 1995		Atmel Corp	
1489	5,449,894	US	IC card having a voltage detection for detecting blanking gaps in an energy-transmitting alternating field	Sept 12, 1995		Atmel Corp	
1490	8,605,037	US	Noise reduction in capacitive touch sensors	Dec 10, 2013		Atmel Corp	
1491	8,610,009	US	Capacitive touch sensors	Dec 17, 2013		Atmel Corp	
1492	8,604,699	US	Self-power for device driver	Dec 10, 2013		Atmel Corp	
1493	8,604,856	US	Apparatus, circuit and method for automatic phase-shifting pulse width modulated signal generation	Dec 10, 2013		Atmel Corp	

PATENT APPLICATIONS

	App'n No.	Ctry	Title	Filed	Owner(s)	Atmel Ref.
1	527157	JP	Wireless Communication System	Aug 30, 1996	Atmel Corp; AT&T	ATM/ATT-001/JP
2	12/105,128	US	Cryptographic Authentication Apparatus, Systems and Methods	Apr 17, 2008	Atmel Corp	07071CSO/US
3	12/534,753	US	Force Sensor with Compressible Electrode	Aug 3, 2009	Atmel Corp	09022QRG/US
4	12/608,779	US	Touchscreen Electrode Configuration	Oct 29, 2009	Atmel Corp	09041QRG/US
5	13/541,077	US	Calibration of Temperature Sensitive Circuits with Heater Elements	Jul 3, 2012	Atmel Corp	09046NO/DVA/US
6	12/848,071	US	Detecting Inductive Objects Using Inputs of Integrated Circuit Device	Jul 30, 2010	Atmel Corp	10017NO/US
7	12/939,794	US	Touch Position-Sensor Panel and Method	Nov 4, 2010	Atmel Corp	10026QRG/US
8	12/946,699	US	Microcontroller Including Flexible Connections Between Modules	Nov 15, 2010	Atmel Rousset	10037RFO/US
9	13/194,282	US	Measuring Voltage	Jul 29, 2011	Atmel Corp	11004QRG/US
10	13/462,746	US	Serial Bit Processor	May 2, 2012	Atmel Corp	12002MCU/US
11	13/595,770	US	Reference Voltage Circuits	Aug 27, 2012	Atmel Corp	12033MEM/US
12	13/672,940	US	Counter Circuit	Nov 9, 2012	Atmel Corp	12130MCU/US
13	13/285,725	US	Method and System for Minimizing the Accumulated Offset	Oct 31, 2011	Atmel Corp	4110P/COA/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
			Error for an Analog to Digital Converter			
14	11/423,499	US	Method and Apparatus for Iterative Synchronization of Two or More Electronic Devices	Jun 12, 2006	Atmel Corp	OZ1010/US
15	13/049,649	US	Method for Locating a Backscatter-based Transponder	Mar 16, 2011	Atmel Corp	P000110/US/2
16	13/434,591	US	Method for Wireless Data Transmission Between a Base Station and a Passive Transponder, as Well as a Passive Transponder	Mar 29, 2012	Atmel Corp	P000243/US/3
17	12/710,861	US	Electrode Circuit, Use, and Method for Controlling a Receiver Circuit	Feb 23, 2010	Atmel Corp	P000343/US/2
18	12/716,816	US	Circuit and Method for Image Frequency Rejection	Mar 3, 2010	Atmel Corp	P000347/US/2
19	12/649,163	US	System, Method, and Circuit for Distance Measurement Between Two Nodes of a Radio Network	Dec 29, 2009	Atmel Corp	P000421/US/2
20	12/818,907	US	Circuit and Method for Operating a Circuit of a Node of a Radio Network	Jun 18, 2010	Atmel Corp	P000431/US/2
21	13/323,189	US	Passive Transponder with a Charging Circuit	Dec 12, 2011	Atmel Corp	P000448/US/2
22	13/495,158	US	Closed Path Capacitive Position Sensor	Jun 13, 2012	Atmel Corp	P018138QRG/COA/US
23	11/752,615	US	Two-Dimensional Position Screen	May 23, 2007	Atmel Corp	P025530QRG/US
24	12/830,163	US	Touch Screen Element	Jul 2, 2010	Atmel Corp	P026100QRG/PRI/US
25	11/750,588	US	Priority and Combination Suppression Techniques	May 18, 2007	Atmel Corp	P026494QRG/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
			(PST/CST) for a Capacitive Keyboard			
26	12/873,905	US	Two-Dimensional Position Sensor	Sep 1, 2010	Atmel Corp	P029194QRG/COA/ US
27	12/255,610	US	Touch finding method and apparatus	Oct 21, 2008	Atmel Corp	P034054QRG/US
28	12/511,907	US	Capacitive Touch Buttons Combined with Electroluminescent Lighting	Jul 29, 2009	Atmel Corp	P035456QRG/US
29	13/411,343	US	Electrode Crossovers	Mar 2, 2012	Atmel Corp	P036075QRG/COA/ US
30	12/643,622	US	Multiple Electrode Touch Sensitive Device	Dec 21, 2009	Atmel Corp	P036075QRG/US
31	13/614,923	US	Touch-Sensitive User Interface	Sep 13, 2012	Atmel Corp	P036299QRG/COA/ US
32	11/526,013	US	Method for Data Communication Between a Base Station and a Transponder	Mar 23, 2005	Atmel Corp	P801148/US/1
33	14/060,466	US	Single Pin Communications Mechanism	Oct 22, 2013	Atmel Corp	08051CSO/COA/US
34	99111670	TW	High Channel Count Single-Layer Touchscreen Geometry for Multitouch	Apr 14, 2010	Atmel Corp	09003QRG/TW
35	14/047,774	US	Method and Apparatus to Measure Self- Capacitance Using a Single Pin	Oct 7, 2013	Atmel Corp	09024QRG/COA/US
36	14/058,717	US	Touchscreen Electrode Arrangement (FLM)	Oct 21, 2013	Atmel Corp	09030QRG/COA/US
37	102010030935.4	DE	Touch Shape Based Automatic Gain Control	Jul 5, 2010	Atmel Corp	09032QRG/DE
38	11 57100	FR	Enhanced HVP MOS	Aug 2, 2011	Atmel Rousset; LAAS-	09065RFO/FR

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
					CNRS	
39	12/891,329	US	Position-Sensing Panel and Related Methods	Sep 27, 2010	Atmel Corp	10008Q RG/US
40	2011114135	JP	Method for combining measuring devices for use on larger touchscreens	Apr 28, 2011	Atmel Corp	10019QRG/JP
41	10201141201	KR	Method for combining measuring devices for use on larger touchscreens	Apr 29, 2011	Atmel Corp	10019QRG/KR
42	13/846,458	US	Proximity Detection	Mar 18, 2013	Atmel Corp	10030QRG/COA/US
43	14/057,107	US	Capacitive Sensor, Device and Method	Oct 18, 2013	Atmel Corp	10036QRG/COA/US
44	14/076,892	US	Tuning Algorithm for Noise Reduction in an Active Stylus	Nov 11, 2013	Atmel Corp	11000QRG-26/COA/US
45	102012218165.2	DE	Combination Touch-Sensor Input	Oct 4, 2012	Atmel Corp	11000QRG-33/DE
46	201210328543.7	CN	Integrated Test System for a Touch Sensor	Sep 6, 2012	Atmel Corp	11018QRG/CN
47	102013216486.6	DE	Interpolated Single-Layer Touch Sensor	Aug 20, 2013	Atmel Corp	11053QRG/DE
48	13/873,979	US	Touchscreen Routing Flow for Single Layer Pattern	Apr 30, 2013	Atmel Corp	11054QRG/US
49	13/786,124	US	Touch panel deformation compensation	Mar 5, 2013	Atmel Corp	11067QRG/US
50	13/849,253	US	Detecting Presence of an Object in the Vicinity of a Touch Interface of a Device	Mar 22, 2013	Atmel Corp	11068QRG/US
51	102013218051.9	DE	Capacitive Position Encoder	Sep 10, 2013	Atmel Corp	11075QRG/DE

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
52	13/610,114	US	Capacitive Position Encoder	Sep 11, 2012	Atmel Corp	11075QRG/US
53	102101866	TW	On-Display-Sensor Stack	Jan 17, 2013	Atmel Corp	11085F LM/03/T1N
54	10 2012 219 027.9	DE	Driving Circuits for Light Emitting Elements	Oct 18, 2012	Atmel Corp	11087MCU/DE
55	14/971,281	US	Color Correcting Device Driver	Nov 4, 2013	Atmel Corp	11089MCU/COA/US
56	13/725,397	US	Touch Sensor with Integrated Antenna	Dec 21, 2012	Atmel Corp	11091FLM/US
57	102012223363.6	DE	Touch Sensor with Reduced Anti-Touch Effects	Dec 17, 2012	Atmel Corp	11115QRG/DE
58	102013210986.5	DE	Complex Adhesive Boundaries for Touch Sensors	Jun 13, 2013	Atmel Corp	11118FLM/DE
59	13/536,172	US	Complex Adhesive Boundaries for Touch Sensors	Jun 28, 2012	Atmel Corp	11118FLM/US
60	201220412142.5	CN	Complex Adhesive Boundaries for Touch Sensors	Aug 17, 2012	Atmel Corp	11118FLM/UTM/CN
61	10 2013 212 061.3	DE	Low Impedance Touch Sensor	Jun 25, 2013	Atmel Corp	11122FLM/DE
62	13/536,200	US	Low Impedance Touch Sensor	Jun 28, 2012	Atmel Corp	11122FLM/US
63	201310137961.2	CN	Self-Capacitance Measurement	Apr 19, 2013	Atmel Corp	11132QRG/CN
64	102013206395.4	DE	Self-Capacitance Measurement	Apr 11, 2013	Atmel Corp	11132QRG/DE
65	102114085	TW	Self-Capacitance Measurement	Apr 19, 2013	Atmel Corp	11132QRG/TW
66	13/536,615	US	A Surface with Touch Sensors For Detecting Proximity	Jun 28, 2012	Atmel Corp	11133QRG/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
67	102013202017.1	DE	Method and System for Mechanical Coupling of Flexible Printed Circuit to a Sensor	Feb 7, 2013	Atmel Corp	11135FLM/DE
68	13/471,094	US	Self-Capacitance Detection Using Trans- Conductance Reference	May 14, 2012	Atmel Corp	11139QRG/US
69	13/475,644	US	Self-Capacitance Measurement with Compensated Capacitance	May 18, 2012	Atmel Corp	11145QRG/US
70	13/715,677	US	Integrated pixel display and drive signal	Dec 14, 2012	Atmel Corp	11149FLM/US
71	10 2013 222 958.5	DE	Touch Sensing Based On Signal Reflections	Nov 12, 2013	Atmel Corp	11150FLM/DE
72	13/675,724	US	Touch Sensing Based On Signal Reflections	Nov 13, 2012	Atmel Corp	11150FLM/US
73	102013213250.6	DE	Drive Signals for a Touch Sensor	Jul 5, 2013	Atmel Corp	11151FLM/DE
74	13/544,680	US	Drive Signals for a Touch Sensor	Jul 9, 2012	Atmel Corp	11151FLM/US
75	13/475,691	US	Self-Capacitance Measurement with Isolated Capacitance	May 18, 2012	Atmel Corp	11155QRG/US
76	13/475,750	US	Burst-Mode Self-Capacitance Measurement with Compensated Capacitance	May 18, 2012	Atmel Corp	11157QRG/US
77	102013202646.3	DE	Boosting Memory Reads	Feb 19, 2013	Atmel Corp	11159MEM/DE
78	13/753,380	US	Fetching Instructions of a Loop Routine	Jan 29, 2013	Atmel Corp	11162MCU/US
79	102013210060.4	DE	Memory Decoder Circuit	May 29, 2013	Atmel Corp	120040TH/DE
80	13/485,675	US	Memory Decoder Circuit	May 31, 2012	Atmel Corp	120040TH/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
81	102013214437.7	DE	Dielectric Layer for Touch Sensor Stack	Jul 24, 2013	Atmel Corp	12005FLM/DE
82	13/556,805	US	Dielectric Layer for Touch Sensor Stack	Jul 24, 2012	Atmel Corp	12005FLM/US
83	102013214438.5	DE	Dielectric Layer for Touch Sensor Stack	Jul 24, 2013	Atmel Corp	12006FLM/DE
84	13/556,968	US	Dielectric Layer for Touch Sensor Stack	Jul 24, 2012	Atmel Corp	12006FLM/US
85	201310126478.4	CN	Current Mirror Self-Capacitance Measurement	Apr 12, 2013	Atmel Corp	12010QQRG/CN
86	102013206448.9	DE	Current Mirror Self-Capacitance Measurement	Apr 11, 2013	Atmel Corp	12010QQRG/DE
87	102113145	TW	Current Mirror Self-Capacitance Measurement	Apr 12, 2013	Atmel Corp	12010QQRG/TW
88	13/479,068	US	Proximity Detection Using Multiple Inputs	May 23, 2012	Atmel Corp	12017QQRG/US
89	201310257885.9	CN	Pixel Occlusion Mitigation	Jun 26, 2013	Atmel Corp	12018FLM/CN
90	102013211033.2	DE	Pixel Occlusion Mitigation	Jun 13, 2013	Atmel Corp	12018FLM/DE
91	102122027	TW	Pixel Occlusion Mitigation	Jun 20, 2013	Atmel Corp	12018FLM/TW
92	13/533,771	US	Pixel Occlusion Mitigation	Jun 26, 2012	Atmel Corp	12018FLM/US
93	102013215676.6	DE	Active Stylus Self-Capacitance Measurement	Aug 8, 2013	Atmel Corp	12020QQRG/DE
94	13/571,016	US	Active Stylus Self-Capacitance Measurement	Aug 9, 2012	Atmel Corp	12020QQRG/US
95	102013222146.0	DE	Charge Measurement	Oct 31, 2013	Atmel Corp	12021 MCU/DE

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
96	13/667,171	US	Charge Measurement	Nov 2, 2012	Atmel Corp	12021MCU/US
97	13/485,678	US	Stored Public Key Validity Registers for Cryptographic Devices and Systems	May 31, 2012	Atmel Corp	12023APG/US
98	13/553,496	US	Configurable Passive Components	Jul 19, 2012	Atmel Corp	120240TH/US
99	102013206123.4	DE	Inter-Device Communication in a Battery Management and Protection System	Apr 8, 2013	Atmel Corp	12025RFA/DE
100	102013213568.8	DE	Secure Storage and Signature	Jul 11, 2013	Atmel Corp	12027APG/DE
101	13/553,388	US	Generating signatures using a secure device	Jul 19, 2012	Atmel Corp	12027APG/US
102	13/827,713	US	Touch Sensor Scanning for Display-Embedded Touch Sensors	Mar 14, 2013	Atmel Corp	12029QRG/US
103	13/633,029	US	Remote Monitoring of Battery Packs	Oct 1, 2012	Atmel Corp	12030MCU/US
104	102013217001.7	DE	Reference Voltage Circuits	Aug 27, 2013	Atmel Corp	12033M EM/DE
105	13/921,567	US	Selecting Memory Cells	Jun 19, 2013	Atmel Corp	12035MEM/US
106	10 2013 215 800.9	DE	Active Stylus with Passive Mutual Measurements	Aug 9, 2013	Atmel Corp	12036QRG/DE
107	13/586,745	US	Active Stylus with Passive Mutual Measurements	Aug 15, 2012	Atmel Corp	12036Q RG/US
108	13/630,026	US	Microcontroller with Integrated Monitoring Capabilities for Network Applications	Sep 28, 2012	Atmel Corp	12037MCU/US
109	13/690,835	US	Binary Divarication Digital-to-Analog Conversion	Nov 30, 2012	Atmel Corp	12038MEM/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
110	102013219130.8	DE	Stylus Communications with Near-Field Coupling	Sep 24, 2013	Atmel Corp	12039QRG/DE
111	13/630,990	US	Stylus Communications with Near-Field Coupling	Sep 28, 2012	Atmel Corp	12039Q RQ/US
112	13/651,194	US	Self-Capacitance Measurement Using Compensation Capacitor	Oct 12, 2012	Atmel Corp	12041QRG/US
113	13/486,562	US	Combined Accumulator and Maximum/Minimum Comparator	Jun 1, 2012	Atmel Corp	12042QRG/US
114	13/648,665	US	Active Stylus with Noise Immunity	Oct 10, 2012	Atmel Corp	12043QRG/US
115	13/618,068	US	Pattern of Electrodes for a Touch Sensor	Sep 14, 2012	Atmel Corp	12045QRG/US
116	13/653,818	US	Stylus with Resonant Circuit	Oct 17, 2012	Atmel Corp	12046QRG/US
117	13/713,995	US	Uniform-Density Coplanar Touch Sensor	Dec 13, 2012	Atmel Corp	12047FLM/US
118	10 2013 222 482.6	DE	Resistive Interpolation for a Touch Sensor with Opaque Conductive Material	Nov 6, 2013	Atmel Corp	12048FLM/DE
119	13/671,106	US	Resistive Interpolation for a Touch Sensor with Opaque Conductive Material	Nov 7, 2012	Atmel Corp	12048FLM/US
120	13/603,993	US	Fully Integrated Voltage Regulator Using Open Loop Digital Control for Optimum Power Stepping and Slew Rate	Sep 5, 2012	Atmel Corp	12049APG/US
121	13/828,021	US	Reduction of Touch Sensor Pattern Visibility Using Beamsplitters	Mar 14, 2013	Atmel Corp	12050FLM/US
122	10 2013 219 340.8	DE	Increasing the Dynamic Range of an Integrator Based Mutual-Capacitance Measurement Circuit	Sep 26, 2013	Atmel Corp	12051QRG/DE

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
123	13/627,028	US	Increasing the Dynamic Range of an Integrator Based Mutual-Capacitance Measurement Circuit	Sep 26, 2012	Atmel Corp	12051QRG/US
124	13/614,875	US	Differential Sensing for Capacitive Touch Sensors	Sep 13, 2012	Atmel Corp	12053Q RG/US
125	102013215970.6	DE	Unique Code in Message for Signature Generation in Asymmetric Cryptographic Device	Aug 13, 2013	Atmel Corp	12055APG/DE
126	13/628,946	US	Unique code in Message for Signature Generation in Asymmetric Cryptographic Device	Sep 27, 2012	Atmel Corp	12055APG/US
127	201310292671.5	CN	Touch-Sensor-Controller Sensor Hub	Jul 12, 2013	Atmel Corp	12056QQRG/CN
128	102013213689.7	DE	Touch-Sensor-Controller Sensor Hub	Jul 12, 2013	Atmel Corp	12056QQRG/DE
129	102125154	TW	Touch-Sensor-Controller Sensor Hub	Jul 12, 2013	Atmel Corp	12056Q RG/TW
130	13/548,049	US	Touch-Sensor-Controller Sensor Hub	Jul 12, 2012	Atmel Corp	12056QQRG/US
131	13/587,525	US	Dual Regulator Systems	Aug 16, 2012	Atmel Corp	12058MCU/US
132	13/603,155	US	Reference Voltage Circuits in Microcontroller Systems	Sep 4, 2012	Atmel Corp	12059MCU/US
133	13/788,366	US	Changing Power Modes of a Microcontroller System	Mar 7, 2013	Atmel Corp	12060MCU/US
134	13/606,515	US	Microcontroller Input/Output Connector State Retention in Low-Power Modes	Sep 7, 2012	Atmel Corp	12061MCU/US
135	13/614,468	US	Voltage Scaling System with Sleep Mode	Sep 13, 2012	Atmel Corp	12062MCU/US
136	13/614,467	US	Voltage Scaling System Supporting Synchronous	Sep 13, 2012	Atmel Corp	12063MCU/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
			Applications			
137	13/597,939	US	Preventing Interference Between Microcontroller Components	Aug 29, 2012	Atmel Corp	12064MCU/US
138	13/789,902	US	Delaying Interrupts in a Microcontroller System	Mar 8, 2013	Atmel Corp	12065MCU/US
139	13/785,999	US	Delaying Reset Signals in a Microcontroller System	Mar 5, 2013	Atmel Corp	12066MCU/US
140	13/608,203	US	Low-Power Modes of Microcontroller Operation with Access to Configurable Input/Output Connections	Sep 10, 2012	Atmel Corp	12067MCU/US
141	102013222147.9	DE	Stress Relief for Plastic Encapsulated Devices	Oct 31, 2013	Atmel Corp	12069M EM/DE
142	13/667,403	US	Stress Relief for Plastic Encapsulated Devices	Nov 2, 2012	Atmel Corp	12069M EM/US
143	13/624,644	US	ADC Sequencing	Sep 21, 2012	Atmel Corp	12071MCU/US
144	13/624,651	US	Processor maintaining reset-state after reset signal is suspended	Sep 21, 2012	Atmel Corp	12072MCU/US
145	13/692,531	US	Automating Digital Display	Dec 3, 2012	Atmel Corp	12073MCU/US
146	13/617,125	US	Package Dependant Segment Terminal Remapping For Driving Liquid Crystal Displays	Sep 14, 2012	Atmel Corp	12075MCU/US
147	10 2013 220 963.0	DE	Active Stylus with a Parallel Communication Channel	Oct 16, 2013	Atmel Corp	12077QRG/DE
148	13/653,200	US	Active Stylus with a Parallel Communication Channel	Oct 16, 2012	Atmel Corp	12077QRG/US
149	10 2013 220 964.9	DE	Stylus Position System	Oct 16, 2013	Atmel Corp	12078QRG/DE

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
150	13/653,247	US	Stylus Position System	Oct 16, 2012	Atmel Corp	12078QQRG/US
151	10 2013 220 920.7	DE	Active Stylus Communication and Position System	Oct 16, 2013	Atmel Corp	12079QQRG/DE
152	13/653,300	US	Active Stylus Communication and Position System	Oct 16, 2012	Atmel Corp	12079QQRG/US
153	13/654,996	US	Touch Sensor With Simultaneously Driven Drive Electrodes	Oct 18, 2012	Atmel Corp	12080QQRG/US
154	13/624,706	US	Hot-Plugging Debugger Architectures	Sep 21, 2012	Atmel Corp	12081MCU/US
155	13/786,042	US	Configuring Power Domains of a Microcontroller System	Mar 5, 2013	Atmel Corp	12083MCU/US
156	13/630,002	US	Microcontroller with Integrated Interface Enabling Reading Data Randomly from Serial Flash Memory	Sep 28, 2012	Atmel Corp	12084MCU/US
157	13/665,756	US	Chirp Signal Touch Sensor	Oct 31, 2012	Atmel Corp	12085QQRG/US
158	13/731,779	US	Complex Adhesive Boundaries for Touch Sensors	Dec 31, 2012	Atmel Corp	12087FLM/US
159	14/042,303	US	Voltage Scaling System	Sep 30, 2013	Atmel Corp	12088MCU/DVA/US
160	10 2013 221 719.6	DE	Charge Compensation for Capacitive Touch Sensor Nodes	Oct 25, 2013	Atmel Corp	12089MCU/DE
161	13/665,520	US	Charge Compensation for Capacitive Touch Sensor Nodes	Oct 31, 2012	Atmel Corp	12089MCU/US
162	102013224101.1	DE	Connecting Multiple Slave Devices to a Single Master	Nov 26, 2013	Atmel Corp	12090MCU/DE
163	13/687,044	US	Connecting Multiple Slave Devices to a Single Master	Nov 28, 2012	Atmel Corp	12090MCU/US
164	13/753,755	US	Current-Based Charge Compensation in a Touch Sensor	Jan 30, 2013	Atmel Corp	12091MCU/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
165	13/798,991	US	Current Monitoring Circuit for Memory Wakeup Time	Mar 13, 2013	Atmel Corp	12098MCU/US
166	13/852,816	US	Touch Sensor with Capacitive Voltage Driver	Mar 28, 2013	Atmel Corp	12099Q RG/US
167	13/795,313	US	Controlling Switching Current Regulators	Mar 12, 2013	Atmel Corp	12100MCU/US
168	13/756,409	US	Low Total Harmonic Distortion and High Power Factor Correction Power Converters	Jan 31, 2013	Atmel Corp	12103MCU/US
169	13/864,058	US	Differential Sensing for Touch Sensors	Apr 16, 2013	Atmel Corp	12104QRG/US
170	13/800,422	US	Generating Keys Using Secure Hardware	Mar 12, 2013	Atmel Corp	12105APG/US
171	13/840,681	US	Proactive Quality of Service in Multi-Matrix Bus	Mar 15, 2013	Atmel Corp	12106MCU/US
172	13/904,904	US	Edgeless Single-Layer Touch Sensor	May 29, 2013	Atmel Corp	12109QRG/US
173	13/894,362	US	Active Valley Fill Power Factor Correction	May 15, 2013	Atmel Corp	12110MCU/US
174	13/711,105	US	Sending Drive Signals with an Increased Number of Pulses to Particular Drive Lines	Dec 11, 2012	Atmel Corp	12111QRG/US
175	102013216482.3	DE	Self-Shielding Co-Planar Touch Sensor	Aug 20, 2013	Atmel Corp	12112QRG/DE
176	13/970,521	US	Self-Shielding Co-Planar Touch Sensor	Aug 19, 2013	Atmel Corp	12112QRG/US
177	13/676,481	US	Adjustable Power and System Efficiency Maximizing Scheme using Micro-controllers	Nov 14, 2012	Atmel Corp	12113MCU/US
178	13/923,592	US	Capacitive Touch Sensor Control Unit with Automatic Gain Control	Jun 21, 2013	Atmel Corp	12114QRG/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
179	13/931,181	US	Pattern of Electrodes for a Touch Sensor	Jun 28, 2013	Atmel Korea LLC, South Korea	12115QRG/US
180	13/864,418	US	Active Stylus with Voice Capability	Apr 17, 2013	Atmel Corp	12116QRG/US
181	13/691,088	US	Dual-Mode, Isolated AC/DC Power Converter with Power Factor Correction	Nov 30, 2012	Atmel Corp	12118MCU/US
182	13/708,741	US	Fault Protection and Correction of Line and Load Faults	Dec 7, 2012	Atmel Corp	12119MCU/US
183	13/735,884	US	Circuitry for current regulated, externally controlled LED driving	Jan 7, 2013	Atmel Corp	12121RFA/US
184	10 2013 219 944.9	DE	System and Method for Reducing Borders of a Touch Sensor	Oct 1, 2013	Atmel Corp	12124FLM/DE
185	13/964,603	US	System and Method for Reducing Borders of a Touch Sensor	Aug 12, 2013	Atmel Corp	12124FLM/US
186	13/932,767	US	Suppression of Unintended Touch Objects	Jul 1, 2013	Atmel Korea LLC, South Korea	12125QRG/US
187	13/904,706	US	Combining mechanical and capacitive features in the same matrix keyboard	May 29, 2013	Atmel Corp	12126QRG/US
188	13/903,599	US	Multi-State Capacitive Button	May 28, 2013	Atmel Corp	12127QRG/US
189	13/841,675	US	Touch Sensor with Cover Lens	Mar 18, 2013	Atmel Corp	12128FLM/US
190	13/928,099	US	Method and System to Determine When a Device is Being Held	Jun 26, 2013	Atmel Corp	12129QRG/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
191	13/901,873	US	Method for Rejecting a Touch-Swipe Gesture as an Invalid Touch	May 24, 2013	Atmel Corp	12131QRG/US
192	13/756,484	US	Integrated Circuit for Remote Keyless Entry System	Jan 31, 2013	Atmel Corp	12134RFA/US
193	13/930,754	US	Pseudo Driven Shield	Jun 28, 2013	Atmel Corp	12135QRG/US
194	13/930,454	US	Common Mode Noise Suppression During Hovering and Proximity Detection	Jun 28, 2013	Atmel Corp	12136QRG/US
195	13/929,307	US	Fast Canning for Mutual Capacitance Screens	Jun 27, 2013	Atmel Corp	12137QRG/US
196	13/927,579	US	Method for Changing the Detection Range of a Touch Sensor	Jun 26, 2013	Atmel Corp	12138QRG/US
197	13/955,352	US	Dynamic Clustering of Touch Sensor Electrodes	Jul 31, 2013	Atmel Corp	12140QRG/US
198	14/075,412	US	Dynamic Configuration of Touch Sensor Electrode Clusters	Nov 8, 2013	Atmel Corp	12140QRG-A/US
199	13/928,905	US	Shieldless Touch Sensor Noise Cancellation	Jun 27, 2013	Atmel Corp	12141QRG/US
200	13/764,061	US	Average Current Control for a Switched Power Converter	Feb 11, 2013	Atmel Corp	12142MCU/US
201	13/785,858	US	Configurable Integrated Circuit Enabling Multiple Switched Mode or Linear Mode Power Control Topologies	Mar 5, 2013	Atmel Corp	12143MCU/US
202	13/789,419	US	Stored Authorization Status for Cryptographic Operations	Mar 7, 2013	Atmel Corp	12144APG/US
203	13/950,893	US	System and Method for Using Signals Resulting From Signal Transmission in a Touch Sensor	Jul 25, 2013	Atmel Corp	12147FLM/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
204	13/851,225	US	Touch Sensor with Edge-Balanced Macro- Feature Design	Mar 27, 2013	Atmel Corp	12148FLM/US
205	13/863,036	US	Touch Sensor with High-Density Macro- Feature Design	Apr 15, 2013	Atmel Corp	12149FLM/US
206	13/889,692	US	Method for Restructuring Distorted Capacitive Touch Data	May 7, 2013	Atmel Corp	12154QRG/US
207	13/922,871	US	Method of Compensating for Retransmission Effects in a Touch Sensor	Jun 20, 2013	Atmel Corp	12157QRG/US
208	13/797,538	US	Generating Clock on Demand	Mar 12, 2013	Atmel Corp	12159MCU/US
209	13/941,671	US	Managing Wait States for Memory Access	Jul 15, 2013	Atmel Corp	13001MCU/US
210	13/870,270	US	Carrier Compensation Reader	Apr 25, 2013	Atmel Corp	13006RFA/US
211	13/953,161	US	Voltage Driven Self-Capacitance Measurement	Jul 29, 2013	Atmel Corp	13007QRG/US
212	14/086,735	US	Replaceable Tip for Active Stylus	Nov 21, 2013	Atmel Corp	13012QRG/US
213	14/031,743	US	Curved Surface Sensor Pattern	Sep 19, 2013	Atmel Corp	13015QRG/US
214	13/951,300	US	Once!! Single-Layer Touch Sensor	Jul 25, 2013	Atmel Corp	13017QRG/US
215	13/848,988	US	Touch Sensing Having Increased Immunity to the Presence of a Fluid Layer	Mar 22, 2013	Atmel Corp	13018QRG/US
216	14/086,626	US	Electrical Connection for Active-Stylus Electrode	Nov 21, 2013	Atmel Corp	13023QRG/US
217	13/975,926	US	Synchronization of Active Stylus and Touch Sensor	Aug 26, 2013	Atmel Corp	13025Q RG/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
218	13/929,554	US	Breaking Program Execution on Events	Jun 27, 2013	Atmel Corp	13031MCU/US
219	13/929,605	US	Tracing Events in an Autonomous Event System	Jun 27, 2013	Atmel Corp	13032MCU/US
220	13/929,617	US	A System for Debugging DMA System Data Transfer	Jun 27, 2013	Atmel Corp	13033MCU/US
221	13/954,232	US	Position Detection of an Object Within Proximity of a Touch Sensor	Jul 30, 2013	Atmel Corp	13034QQRG/US
222	13/953,530	US	Measuring Power Consumption of Circuit Component Operating in Ultra-Low Power Mode	Jul 29, 2013	Atmel Corp	13035MCU/US
223	13/953,140	US	Measuring Power Consumption of Circuit Component Operating in Run Mode	Jul 29, 2013	Atmel Corp	13036MCU/US
224	13/868,930	US	Self-Recovering Bus Signal Detector	Apr 23, 2013	Atmel Corp	13037MCU/US
225	13/932,764	US	Ring Accessory	Jul 1, 2013	Atmel Corp	13040QQRG/US
226	13/932,840	US	Ring Accessory	Jul 1, 2013	Atmel Corp	13040QQRG-A/US
227	14/049,048	US	Touch-Sensor Electrode Details	Oct 8, 2013	Atmel Corp	13042QQRG/US
228	13/873,013	US	Programmable Bus Signal Hold Time Without System Clock	Apr 29, 2013	Atmel Corp	13043MCU/US
229	13/967,176	US	Smart Grid Appliance Control	Aug 13, 2013	Atmel Corp	13044MCU/US
230	14/014,128	US	Multi-Protocol Serial Communication Interface	Aug 29, 2013	Atmel Corp	13047MCU/US
231	13/965,020	US	Centralized Peripheral Access Protection	Aug 12, 2013	Atmel Corp	13052MCU/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
232	13/964,971	US	Peripheral Registers with Flexible Data Width	Aug 12, 2013	Atmel Corp	13053MCU/US
233	13/910,055	US	Mesh Design for Touch Sensors	Jun 4, 2013	Atmel Corp	13054FLM/US
234	PCT/CN2013/001186	WO	Sense Amplifier	Sep 30, 2013	Atmel Corp	130550TH/WO
235	14/026,466	US	Method and System for Determining Stylus Tilt in Relation to a Touch-Sensing Device	Sep 13, 2013	Atmel Corp	13060QRG/US
236	14/017,047	US	Software Code Profiling	Sep 3, 2013	Atmel Corp	13066MCU/US
237	14/061,338	US	Object Orientation Determination	Oct 23, 2013	Atmel Corp	13068QRG/US
238	13/974,965	US	Breaking Code Execution Based on Time Consumption	Aug 23, 2013	Atmel Corp	13069MCU/US
239	14/015,140	US	Chained Differential Sensing for Touch Sensors	Aug 30, 2013	Atmel Corp	13072QRG/US
240	14/022,150	US	Generic Randomized Mesh Design	Sep 9, 2013	Atmel Corp	13074FLM/US
241	13/932,925	US	Direct Memory Access Controller	Jul 1, 2013	Atmel Corp	13075MCU/US
242	14/087,859	US	Forming Recessed Structure with Liquid Deposited Solution	Nov 22, 2013	Atmel Corp	130770TH/US
243	14/023,263	US	Randomized Mesh Design	Sep 10, 2013	Atmel Corp	13078FLM/US
244	14/085,681	US	Calibrating Temperature Coefficients for Integrated Circuits	Nov 20, 2013	Atmel Corp	13088MCU/US
245	14/018,263	US	Clock Generator Circuit with Automatic Sleep Mode	Sep 4, 2013	Atmel Corp	13093MCU/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
246	14/043,445	US	Configuring Power Domains of a Microcontroller System	Oct 1, 2013	Atmel Corp	13094MCU/US
247	14/073,417	US	Stylus with Asymmetric Electronic Characteristics	Nov 6, 2013	Atmel Corp	13095QRG/US
248	14/031,372	US	Mesh Design for Touch Sensors	Sep 19, 2013	Atmel Corp	13104FLM/US
249	14/093,899	US	Capacitive measurement circuit for a touch sensor device	Dec 2, 2013	Atmel Corp	13108QRG/US
250	14/044,772	US	Gate Control Circuit for MOS Switch	Oct 2, 2013	Atmel Corp	13111RFA/US
251	14/087,850	US	Charge Pump with Reduced Current Consumption	Nov 22, 2013	Atmel Corp	13122RFA/US
252	20084236	NO	Deep Under Voltage Recovery in a Battery Pack	Mar 8, 2007	Atmel Corp; Sony Corp (Japan)	20275-0008001/NO
253	20084248	NO	Power Surge Filtering in Over-Current and Short Circuit Protection	Mar 8, 2007	Atmel Corp; Sony Corp (Japan)	20275-0009001/NO
254	20084224	NO	Random Number Generator in a Battery Pack	Mar 8, 2007	Atmel Corp; Sony Corp (Japan)	20275-0011002/NO
255	11 2006 000 506.5	DE	Multi-Phase Realigned Voltage Controlled Oscillator and Phase-Locked Loop Incorporating the Same	Feb 2, 2006	Atmel Corp	ATM-344/DE
256	06771282.8	DE	Methods and Processor-Related Media to Perform Rapid Returns from Subroutines in Microprocessors and Microcontrollers	May 25, 2006	Atmel Corp	ATM-386/DE
257	14/016,673	US	Integrated Circuit Structures Containing a Strain-Compensated Compound Semiconductor Layer and Methods and Systems Related Thereto	Sep 3, 2013	Atmel Corp	ATM-424/DVA/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
258	097109920	TW	A High Density NOR like Memory Device with a NAND Like Memory Array	Mar 20, 2008	Atmel Corp	ATMSP-049/TW
259	PCT/CN2010/001648	WO	A Novel Switch Used in Programmable Gain Amplifier	Oct 21, 2010	Atmel Corp	IDT2659/WO
260	2,600,724	CA	Method and apparatus for operating a wireless PAN network using an overlay protocol that enhances co-existence with a wireless LAN network	Mar 14, 2006	Atmel Corp	OZ0600/CA
261	11/423,785	US	Method and apparatus for coordinating a wireless PAN network and a wireless LAN network	Jun 13, 2006	Atmel Corp	OZ0711/US
262	13/340,465	US	Method and apparatus for coordinating a wireless PAN network and a wireless LAN network	Dec 29, 2011	Atmel Corp	OZ0730/US
263	11/423,637	US	Method And Apparatus For Synchronization Of A Master Timebase Of A Computing Device With One Or More Slave Timebases Using Indirect Signalling Of Timing Information	Jun 12, 2006	Atmel Corp	OZ0910/US
264	11/423,202	US	Method and apparatus for scanning and device detection in a communication system	Jun 9, 2006	Atmel Corp	OZ1310/US
265	12/237,350	US	Channel tracking in an orthogonal frequency- division multiplexing system	Sep 24, 2008	Atmel Corp	OZ1510/US
266	13/888,262	US	Method And Apparatus For Virtualizing Hardware Dongle Over A Wireless Connection	May 6, 2013	Atmel Corp	OZ1910/COA/US
267	14/047,923	US	Method for Wireless Data Transmission	Oct 7, 2013	Atmel Corp	P000058/US/3
268	200610059419.X	CN	Verfahren und Giefform zur Herstellung eines optischen Halbleitermoduls	Mar 3, 2006	Atmel Corp	P000149/CN/1

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
269	112008000015.8-31	DE	Verfahren zum wenigstens temporären Freischalten einer bidirektionalen Kommunikation und Transponder	Feb 4, 2008	Atmel Corp	P000293/DE/2
270	112008000041.7-56	DE	Integrierter Schaltkreis	Jan 16, 2008	Atmel Corp	P000321/DE/2
271	2009-96658	JP	Lasertreiberschaltung und Verwendung	Apr 13, 2009	Atmel Corp	P000390/JP/1
272	13/495,696	US	Pulse Width Modulation Based Controller	Jun 13, 2012	Atmel Corp	11164MCU/US
273	14/065,165	US	Transmitting/Receiving Device and Method for Transmitting Data in a Radio Network	Oct 28, 2013	Atmel Corp	P000436/US/3
274	10-2007-0053232	KR	Two-Dimensional Position Screen	May 31, 2007	Atmel Corp	P025530QRG/KR
275	96118385	TW	Two-Dimensional Position Screen	May 23, 2007	Atmel Corp	P025530QRG/TW
276	10-2008-0013052	KR	Tilting Touch Control Panel	Feb 13, 2008	Atmel Corp	P028363QRG/KR
277	97105058	TW	Tilting Touch Control Panel	Feb 13, 2008	Atmel Corp	P028363QRG/TW
278	2008800112758	CN	Two-Dimensional Position Sensor	Apr 2, 2008	Atmel Corp	P029194QRG/CN
279	1120080009066	DE	Two-Dimensional Position Sensor	Apr 2, 2008	Atmel Corp	P029194QRG/DE
280	97111886	TW	Two-Dimensional Position Sensor	Apr 1, 2008	Atmel Corp	P029194QRG/TW
281	1020107003174	KR	Two-Dimensional Touch Screen	Jul 7, 2008	Atmel Corp	P030491QRG/KR
282	14/027,838	US	Capacitive Sensor with Additional Noise- Registering Electrode	Sep 16, 2013	Atmel Corp	P031403QRG/COA/ US

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283	200910134421.2	CN	Capacitive Touch Screen with Noise Suppression	Apr 10, 2009	Atmel Corp	P033330QRG/CN
284	13/974,977	US	Gesture Recognition	Aug 23, 2013	Atmel Corp	P033523QRG/COA/ US
285	98114502	TW	Gesture Recognition	Apr 30, 2009	Atmel Corp	P033523QRG/TW
286	11 2009 002 525.0	DE	Touch Finding Method and Apparatus	Oct 21, 2009	Atmel Corp	P034054QRG/DE
287	13/945,820	US	Noise Measurement in Capacitive Touch Sensors	Jul 18, 2013	Atmel Corp	P035213QRG/COB/ US
288	1020117013723	KR	Touch Screen Sensor	Nov 13, 2009	Atmel Corp	P035841QRG/KR
289	2004800234121	CN	Schaltungsanordnung und Verfahren zur Spannungsversorgung	Aug 13, 2004	Atmel Corp	P801226/CN/1
290	112010005040.6	DE	Method and Apparatus for an Intelligent Light Emitting Diode Driver Having Power Factor Correction Capability	Dec 17, 2010	Atmel Corp	SILIP113/DE
291	112010005141.0	DE	Control of Light-Emitting-Diode Backlight Illumination Through Frame Insertion	Dec 17, 2010	Atmel Corp	SILIP118/DE
292	102009017844.9	DE	Software Clone Prevention Circuit	Apr 17, 2009	Atmel Corp	07071CSO/DE
293	10 2009 017 496.6	DE	Accessing Memory in a System with Memory Protection	Apr 16, 2009	Atmel Corp	08006NO/DE
294	12/165,550	US	Memory address obfuscation	Jun 30, 2008	Atmel Corp	08009CSO/US
295	1020090427260	DE	Simulation Model for Transistors	Sep 23, 2009	Atmel Corp	08024CSO/DE
296	10 2009 038 074.4	DE	Digital-to-Analog Converter	Aug 19, 2009	Atmel Corp	08025RFO/DE

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297	1020090387005	DE	Mechanism for Executing Secure Code Alongside nonsecure code in a Data Processing Apparatus	Aug 25, 2009	Atmel Corp	08026NO/DE
298	12/395,093	US	A Data Security System	Feb 27, 2009	Atmel Corp	08038CSO/US
299	200910178837.4	CN	Auto Trimming Oscillator	Sep 28, 2009	Atmel Corp	08047RFO/CN
300	10 2009 043610.3	DE	Auto Trimming Oscillator	Sep 29, 2009	Atmel Corp	08047RFO/DE
301	098133618	TW	Auto Trimming Oscillator	Oct 2, 2009	Atmel Corp	08047RFO/TW
302	12/395,449	US	Single Pin Communications Mechanism	Feb 27, 2009	Atmel Corp	08051CSO/US
303	12/406,817	US	Method and Apparatus to Scramble Data Stored in Memories Accessed by Microprocessors	Mar 18, 2009	Atmel Corp	08056RFO/US
304	102010002636.0	DE	Power Reduction in Microcontrollers	Mar 8, 2010	Atmel Corp	08057NO/DE
305	201010146122.3	CN	Two-Dimensional Position Sensor	Apr 12, 2010	Atmel Corp	09003QRG/CN
306	10 2010 027732.0	DE	Two-Dimensional Position Sensor	Apr 14, 2010	Atmel Corp	09003QRG/DE
307	12/423,148	US	Two-Dimensional Position Sensor	Apr 14, 2009	Atmel Corp	09003QRG/US
308	099106499	TW	Routeable Array Metal Integrated Circuit Package	Mar 5, 2010	Atmel Corp	09008CSO/TW
309	102010038655.3	DE	Method and Apparatus for Single Touch Zoom Using Spiral Rotation	Jul 29, 2010	Atmel Corp	09020QRG/DE
310	201010519970.4	CN	Interdigitated Touchscreen Electrodes	Oct 22, 2010	Atmel Corp	09021QRG/CN

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311	102010042884.1	DE	Interdigitated Touchscreen Electrodes	Oct 25, 2010	Atmel Corp	09021QRG/DE
312	099136189	TW	Interdigitated Touchscreen Electrodes	Oct 22, 2010	Atmel Corp	09021QRG/TW
313	12/604,944	US	Interdigitated Touchscreen Electrodes	Oct 23, 2009	Atmel Corp	09021QRG/US
314	201010246063.7	CN	Force Sensor with Compressible Force Sensor Electrode	Aug 3, 2010	Atmel Corp	09022QRG/CN
315	102010038771.1	DE	Force Sensor with Compressible Electrode	Aug 2, 2010	Atmel Corp	09022QRG/DE
316	99124579	TW	Force Sensor with Compressible Electrode	Jul 26, 2010	Atmel Corp	09022QRG/TW
317	201010290809.4	CN	Method and Apparatus to Measure Self- Capacitance Using a Single Pin	Sep 21, 2010	Atmel Corp	09024QRG/CN
318	102010041464.6	DE	Method and Apparatus to Measure Self- Capacitance Using a Single Pin	Sep 27, 2010	Atmel Corp	09024QRG/DE
319	99132492	TW	Method and Apparatus to Measure Self- Capacitance Using a Single Pin	Sep 24, 2010	Atmel Corp	09024QRG/TW
320	12/606,934	US	Touchscreen Electrode Arrangement	Oct 27, 2009	Atmel Corp	09026QRG/US
321	12/605,779	US	Sense Electrode Design	Oct 26, 2009	Atmel Corp	09029QRG/US
322	2010101804628	CN	Two-Dimensional Touch Sensors	May 14, 2010	Atmel Corp	09031QRG/CN
323	13/421,199	US	Two-Dimensional Touch Sensors	Mar 15, 2012	Atmel Corp	09031QRG/COA/US
324	102010028983.3	DE	Two-Dimensional Touch Sensors	May 14, 2010	Atmel Corp	09031QRG/DE

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325	99115566	TW	Two-Dimensional Touch Sensors	May 14, 2010	Atmel Corp	09031Q RG/TW
326	201010226097.X	CN	Sensitivity Control as a Function of Touch Shape	Jul 6, 2010	Atmel Corp	09032QRG/CN
327	201010520061.2	CN	Sense Electrode Spine Interpolation	Oct 22, 2010	Atmel Corp	09033QRG/CN
328	102010042767.5	DE	Sense Electrode Spine Interpolation	Oct 21, 2010	Atmel Corp	09033QRG/DE
329	12/604,174	US	Sense Electrode Spine Interpolation	Oct 22, 2009	Atmel Corp	09033QRG/US
330	12/582,635	US	Multi-Layer HI-LO Connection Cell	Oct 20, 2009	Atmel Nantes	09038NTO/US
331	201010533699.X	CN	Redundant Touch Screen Electrodes	Oct 29, 2010	Atmel Corp	09040QRG/CN
332	102010043053.6	DE	Redundant Touchscreen Electrodes	Oct 28, 2010	Atmel Corp	09040QRG/DE
333	99137319	TW	Redundant Touchscreen Electrodes	Oct 29, 2010	Atmel Corp	09040QRG/TW
334	12/608,802	US	Redundant Touchscreen Electrodes	Oct 29, 2009	Atmel Corp	09040QRG/US
335	201010530428.9	CN	Touch Screen Electrode Configuration	Oct 29, 2010	Atmel Corp	09041QRG/CN
336	102010043055.2	DE	Touch Screen Electrode Configuration	Oct 28, 2010	Atmel Corp	09041QRG/DE
337	99137313	TW	Touchscreen Electrode Configuration	Oct 29, 2010	Atmel Corp	09041QRG/TW
338	201010246072.6	CN	Electrode Layout for Touch Screens	Aug 3, 2010	Atmel Corp	09045QRG/CN
339	102010038717.7	DE	Electrode Layout for Touch Screens	Jul 30, 2010	Atmel Corp	09045QRG/DE

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340	99124578	TW	Electrode Layout for Touch Screens	Jul 26, 2010	Atmel Corp	09045QRG/TW
341	12/534,748	US	Electrode Layout for Touch Screens	Aug 3, 2009	Atmel Corp	09045QRG/US
342	12/816,900	US	Touch-Screen Panel and Related Methods	Jun 16, 2010	Atmel Corp	09047QRG/US
343	12/620,392	US	Self-Calibrating, Wide-Range Temperature Sensor	Nov 17, 2009	Atmel Corp	09054CSO/US
344	10 2011 075 852.6	DE	Panel for Position Sensors	May 16, 2011	Atmel Corp	09055QRG/DE
345	12/780,436	US	Panel for Position Sensors	May 14, 2010	Atmel Corp	09055QRG/US
346	201110244087.3	CN	Electronic Ink Touch Sensitive Display	Aug 22, 2011	Atmel Corp	09060QRG/CN
347	10 2011 081 319.5	DE	Electronic Ink Touch Sensitive Display	Aug 22, 2011	Atmel Corp	09060QRG/DE
348	100129903	TW	Electronic Ink Touch Sensitive Display	Aug 19, 2011	Atmel Corp	09060QRG/TW
349	12/859,874	US	Electronic Ink Touch Sensitive Display	Aug 20, 2010	Atmel Corp	09060QRG/US
350	12/761,238	US	Noise Reduction in Capacitive Touch Sensors	Apr 15, 2010	Atmel Corp	09061QRG/US
351	12/838,165	US	Position-Sensing Panel and Method	Jul 16, 2010	Atmel Corp	09062QRG/US
352	12/845,546	US	Touch Sensitive Screen Configurations	Jul 28, 2010	Atmel Corp	09063QRG/US
353	13/539,033	US	Enhanced HVP MOS	Jun 29, 2012	Atmel Rousset; LAAS-CNRS	09065RFO/COA/US
354	201110126892.6	CN	Touch Screen Electrode Enhancements	May 12, 2011	Atmel Corp	10007QRG/CN

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
355	10 2011 075 690.6	DE	Touch Screen Electrode Enhancements	May 12, 2011	Atmel Corp	10007Q RG/DE
356	100116567	TW	Touch Screen Electrode Enhancements	May 11, 2011	Atmel Corp	10007Q RG/TW
357	12/778,693	US	Touch Screen Electrode Enhancements	May 12, 2010	Atmel Corp	10007Q RG/US
358	201110167235.6	CN	Touch Sensing on Three Dimensional Objects	Jun 16, 2011	Atmel Corp	10009Q RG/CN
359	10 2011 078 985.5	DE	Touch Sensing on Three Dimensional Objects	Jul 12, 2011	Atmel Corp	10009Q RG/DE
360	100120585	TW	Touch Sensing on Three Dimensional Objects	Jun 13, 2011	Atmel Corp	10009Q RG/TW
361	12/843,427	US	Touch Sensing on Three Dimensional Objects	Jul 26, 2010	Atmel Corp	10009Q RG/US
362	12/879,693	US	Touch Screen Poly Layer Electrode Distribution	Sep 10, 2010	Atmel Corp	10012Q RG/US
363	201110103397.3	CN	Multi-Chip Touch Screens	Apr 20, 2011	Atmel Corp	10019Q RG/CN
364	10 2011 007 169.5	DE	Multi-Chip Touch Screens	Apr 12, 2011	Atmel Corp	10019Q RG/DE
365	100111110	TW	Multi-Chip Touch Screens	Mar 30, 2011	Atmel Corp	10019Q RG/TW
366	12/771,583	US	Multi-Chip Touch Screens	Apr 30, 2010	Atmel Corp	10019Q RG/US
367	12/787,732	US	Systems and Methods for Improved Touch Screen Response	May 26, 2010	Atmel Corp	10022Q RG/US
368	201110243274.X	CN	Touch Tracking Across Multiple Touch Screens	Aug 18, 2011	Atmel Corp	10025Q RG/CN
369	10 2011 081 527.9	DE	Touch Tracking Across Multiple Touch Screens	Aug 25, 2011	Atmel Corp	10025Q RG/DE

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370	100127639	TW	Touch Tracking Across Multiple Touch Screens	Aug 3, 2011	Atmel Corp	10025Q RG/TW
371	12/871,687	US	Touch Tracking Across Multiple Touch Screens	Aug 30, 2010	Atmel Corp	10025Q RG/US
372	201110276097.5	CN	Position-Sensing Panel	Sep 13, 2011	Atmel Corp	10029QRG/CN
373	10 2011 082 556.8	DE	Position-Sensing Panel	Sep 13, 2011	Atmel Corp	10029QRG/DE
374	100132749	TW	Position-Sensing Panel	Sep 9, 2011	Atmel Corp	10029QRG/TW
375	12/880,836	US	Position-Sensing Panel	Sep 13, 2010	Atmel Corp	10029Q RG/US
376	100137919	TW	Proximity Detection	Oct 19, 2011	Atmel Corp	10030QRG/TW
377	10 2011 087 565.4	DE	Position-Sensing and Force Detection Panel	Dec 1, 2011	Atmel Corp	10031QRG/DE
378	100144231	TW	Position-Sensing and Force Detection Panel	Dec 1, 2011	Atmel Corp	10031QRG/TW
379	12/959,166	US	Position-Sensing and Force Detection Panel	Dec 2, 2010	Atmel Corp	10031QRG/US
380	12/952,801	US	Electrode Interconnect	Nov 23, 2010	Atmel Corp	10034QRG/US
381	13/632,738	US	Frequency Locked Oscillator	Oct 1, 2012	Atmel Corp	10035NO/DVA/US
382	201110346025.3	CN	Capacitive Sensor, Device and Method	Nov 2, 2011	Atmel Corp	10036QRG/CN
383	10 2011 085 578.5	DE	Capacitive Sensor, Device and Method	Nov 2, 2011	Atmel Corp	10036QRG/DE
384	100138521	TW	Capacitive Sensor, Device and Method	Oct 24, 2011	Atmel Corp	10036QRG/TW

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385	10 2011 087 814.9	DE	Substrate for Electrical Component and Method	Dec 6, 2011	Atmel Corp	10040QRG/DE
386	100144684	TW	Substrate for Electrical Component and Method	Dec 5, 2011	Atmel Corp	10040QRG/TW
387	12/962,270	US	Substrate for Electrical Component and Method	Dec 7, 2010	Atmel Corp	10040QRG/US
388	201210109508.6	CN	Panel	Apr 13, 2012	Atmel Corp	10045QRG/CN
389	13/312,405	US	Two-Layer Sensor Stack	Dec 6, 2011	Atmel Corp	10045QRG/COA/US
390	13/347,859	US	Touch Sensor with a Conductive Line Having Different Widths	Jan 11, 2012	Atmel Corp	10045QRG/COB/US
391	102012206294.7	DE	Panel	Apr 17, 2012	Atmel Corp	10045QRG/DE
392	101109942	TW	Panel	Mar 22, 2012	Atmel Corp	10045Q RG/TW
393	13/089,061	US	Panel	Apr 18, 2011	Atmel Corp	10045QRG/US
394	13/410,806	US	Battery Management and Protection	Mar 2, 2012	Atmel Corp	10047NO/COA/US
395	102011088945.0	DE	Battery Management and Protection	Dec 19, 2011	Atmel Corp	10047NO/DE
396	12/976,884	US	Battery Management and Protection	Dec 22, 2010	Atmel Corp	10047NO/US
397	102011089352.0	DE	Verification of Configuration Parameters	Dec 21, 2011	Atmel Corp	10048NO/DE
398	12/976,845	US	Verification of Configuration Parameters	Dec 22, 2010	Atmel Corp	10048NO/US
399	13/412,937	US	Event System and Timekeeping for Battery Management	Mar 6, 2012	Atmel Corp	10049NO/COA/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
			and Protection System			
400	102011089324.5	DE	Event System and Timekeeping for Battery Management and Protection System	Dec 21, 2011	Atmel Corp	10049NO/DE
401	12/976,898	US	Event System and Timekeeping for Battery Management and Protection System	Dec 22, 2010	Atmel Corp	10049NO/US
402	102011088943.4	DE	Measuring Sum of Squared Current	Dec 19, 2011	Atmel Corp	10050NO/DE
403	12/976,777	US	Measuring Sum of Squared Current	Dec 22, 2010	Atmel Corp	10050NO/US
404	13/044,304	US	Variable Architecture for Random Number Generator	Mar 9, 2011	Atmel Corp	10051RFO/US
405	13/044,237	US	Stylus	Mar 9, 2011	Atmel Corp	10052QRG/US
406	13/069,084	US	Position Sensing Panel	Mar 22, 2011	Atmel Corp	10053QRG/US
407	201210119086.0	CN	Touch Sensor with RFID	Apr 20, 2012	Atmel Corp	10054QRG/CN
408	102012207275.6	DE	Touch Sensor with RFID	May 2, 2012	Atmel Corp	10054QRG/DE
409	101109941	TW	Touch Sensor with RFID	Mar 22, 2012	Atmel Corp	10054Q RG/TW
410	13/115,340	US	Touch Sensor with RFID	May 25, 2011	Atmel Corp	10054Q RG/US
411	12/976,865	US	Low-Power Operation for Devices with Circuitry for Providing Reference or Regulated Voltages	Dec 22, 2010	Atmel Corp	10055NO/US
412	102011088268.5	DE	Software Framework and Development Platform for Multi-Sensor Systems	Dec 12, 2011	Atmel Corp	10056SJ 0/D E

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
413	13/109,952	US	Software Framework and Development Platform for Multi-Sensor Systems	May 17, 2011	Atmel Corp	10056SJO/US
414	13/335,522	US	Active Stylus with Capacitive Buttons and Sliders	Dec 22, 2011	Atmel Corp	11000QQRG-01/US
415	102012219185.8	DE	Active Stylus with Configurable Touch Sensor	Oct 22, 2012	Atmel Corp	11000QQRG-03/DE
416	13/333,791	US	Active Stylus with Configurable Touch Sensor	Dec 21, 2011	Atmel Corp	11000QQRG-03/US
417	102012218167.9	DE	Power Management System for Active Stylus	Oct 4, 2012	Atmel Corp	11000QQRG-04/DE
418	13/329,270	US	Power Management System for Active Stylus	Dec 17, 2011	Atmel Corp	11000QQRG-04/US
419	13/556,766	US	Authenticating with Active Stylus	Jul 24, 2012	Atmel Corp	11000QQRG-05/US
420	13/419,087	US	Executing Gestures with Active Stylus	Mar 13, 2012	Atmel Corp	11000QQRG-06/US
421	13/556,951	US	Active Stylus with Tactile Input and Output	Jul 24, 2012	Atmel Corp	11000QQRG-07/US
422	13/362,921	US	Active Stylus with Surface-Modification Materials	Jan 31, 2012	Atmel Corp	11000QQRG-08/US
423	13/364,803	US	Data Transfer from Active Stylus	Feb 2, 2012	Atmel Corp	11000QQRG-09/US
424	13/330,312	US	Capacitive Force Sensor	Dec 19, 2011	Atmel Corp	11000QQRG-10/US
425	1020122189998X	DE	Executing Gestures with Active Stylus	Oct 18, 2012	Atmel Corp	11000QQRG-11/DE
426	13/363,190	US	Executing Gestures with Active Stylus	Jan 31, 2012	Atmel Corp	11000QQRG-11/US
427	13/356,122	US	Data Transfer from Active Stylus to Configure a Device or	Jan 23, 2012	Atmel Corp	11000QQRG-12/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
			Application			
428	102012218493.7	DE	Capacitive and Inductive Sensing	Oct 11, 2012	Atmel Corp	11000QRG-13/DE
429	13/355,013	US	Capacitive and Inductive Sensing	Jan 20, 2012	Atmel Corp	11000QRG-13/US
430	13/402,707	US	Active-Stylus Nib with Rolling-Ball Tip	Feb 22, 2012	Atmel Corp	11000QRG-14/US
431	13/328,594	US	Power Management System for Active Stylus	Dec 16, 2011	Atmel Corp	11000QRG-15/US
432	13/363,140	US	Inductive Charging for Active Stylus	Jan 31, 2012	Atmel Corp	11000QRG-16/US
433	102012218965.3	DE	Multi-Electrode Active Stylus Tip	Oct 18, 2012	Atmel Corp	11000QRG-17/DE
434	13/332,919	US	Multi-Electrode Active Stylus Tip	Dec 21, 2011	Atmel Corp	11000QRG-17/US
435	13/334,875	US	Dynamic Reconfiguration of Electrodes in an Active Stylus	Dec 22, 2011	Atmel Corp	11000QRG-18/US
436	102012219329.4	DE	Differential Sensing in an Active Stylus	Oct 23, 2012	Atmel Corp	11000QRG-19/DE
437	13/434,596	US	Differential Sensing in an Active Stylus	Mar 29, 2012	Atmel Corp	11000QRG-19/US
438	13/335,296	US	Dynamic Adjustment of Received Signal Threshold in an Active Stylus	Dec 22, 2011	Atmel Corp	11000QRG-20/US
439	102012219167.4	DE	Selective Scan of Touch-Sensitive Area for Passive or Active Touch or Proximity Input	Oct 22, 2012	Atmel Corp	11000QRG-21/DE
440	13/331,238	US	Selective Scan of Touch-Sensitive Area for Passive or Active Touch or Proximity Input	Dec 20, 2011	Atmel Corp	11000QRG-21/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
441	102012219000.7	DE	Modulating Drive Signal for Communication Between Active Stylus and Touch-Sensor Device	Oct 18, 2012	Atmel Corp	11000QRG-22/DE
442	13/335,328	US	Modulating Drive Signal for Communication Between Active Stylus and Touch-Sensor Device	Dec 22, 2011	Atmel Corp	11000QRG-22/US
443	13/329,273	US	Scaling Voltage for Data Communication Between Active Stylus and Touch-Sensor Device	Dec 17, 2011	Atmel Corp	11000QRG-23/US
444	13/329,274	US	Active stylus with Filter	Dec 17, 2011	Atmel Corp	11000QRG-24/US
445	102012218267.5	DE	Tuning Algorithm for Noise Reduction in an Active Stylus	Oct 8, 2012	Atmel Corp	11000QRG-26/DE
446	13/329,268	US	Active Stylus with Filter Having a Threshold	Dec 17, 2011	Atmel Corp	11000QRG-27/US
447	13/327,437	US	Touch Sensor with Lookup Table	Dec 15, 2011	Atmel Corp	11000QRG-29/US
448	13/645,101	US	Determining Hover Distance of Active Stylus	Oct 4, 2012	Atmel Corp	11000QRG-30/US
449	102012218308.6	DE	Touch-Sensitive System with Motion Filtering	Oct 8, 2012	Atmel Corp	11000QRG-31/DE
450	13/553,532	US	Touch-Sensitive System with Motion Filtering	Jul 19, 2012	Atmel Corp	11000QRG-31/US
451	13/556,799	US	Authenticating with Active Stylus	Jul 24, 2012	Atmel Corp	11000QRG-32/US
452	13/331,511	US	Combination Touch-Sensor Input	Dec 20, 2011	Atmel Corp	11000QRG-33/US
453	13/362,830	US	Active Stylus with High Voltage	Jan 31, 2012	Atmel Corp	11000QRG-34/US
454	102012218779.0	DE	Pulse- Or Frame-Based Communication Using Active Stylus	Oct 16, 2012	Atmel Corp	11000QRG-35/DE

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
455	13/363,043	US	Pulse- Or Frame-Based Communication Using Active Stylus	Jan 31, 2012	Atmel Corp	11000QRG-35/US
456	102012218784.7	DE	Active Stylus with Energy Harvesting	Oct 16, 2012	Atmel Corp	11000QRG-36/DE
457	13/402,681	US	Active Stylus with Energy Harvesting	Feb 22, 2012	Atmel Corp	11000QRG-36/US
458	13/328,055	US	Locking Active Stylus and Touch-Sensor Device	Dec 16, 2011	Atmel Corp	11000QRG-37/US
459	13/326,981	US	Communication Between a Master Stylus and a Slave Touch-Sensor Device	Dec 15, 2011	Atmel Corp	11000QRG-38/US
460	13/156,310	US	Pulse Width Modulation Fault Mode for Illuminating Device Drivers	Jun 8, 2011	Atmel Corp	11002MCU/US
461	201210265184.5	CN	Method and Circuit for Measuring Voltage	Jul 27, 2012	Atmel Corp	11004QRG/CN
462	102012212706.2	DE	Measuring Voltage	Jul 19, 2012	Atmel Corp	11004QRG/DE
463	101127005	TW	Measuring Voltage	Jul 26, 2012	Atmel Corp	11004QRG/TW
464	201210279931	CN	Parasitic Capacitive Canceling in a Sensor Interface	Aug 8, 2012	Atmel Corp	11005QRG/CN
465	102012213752.1	DE	Parasitic Capacitive Canceling in a Sensor Interface	Aug 3, 2012	Atmel Corp	11005QRG/DE
466	101128675	TV/	Parasitic Capacitive Canceling in a Sensor Interface	Aug 8, 2012	Atmel Corp	11005QRG/TW
467	13/206,079	US	Parasitic Capacitive Canceling in a Sensor Interface	Aug 9, 2011	Atmel Corp	11005QRG/US
468	13/110,778	US	Starting Sensorless Brushless Direct-Current (BLDC) Motors Based on Current-Ripple Analysis	May 18, 2011	Atmel Corp	11006RFA/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
469	201210390794.8	CN	Single-Layer Touch Sensor	Oct 15, 2012	Atmel Corp	11007QRG/CN
470	102012217341.2	DE	Single-Layer Touch Sensor	Sep 26, 2012	Atmel Corp	11007QRG/DE
471	101137128	TW	Single-Layer Touch Sensor	Oct 8, 2012	Atmel Corp	11007QRG/TW
472	13/278,046	US	Single-Layer Touch Sensor	Oct 20, 2011	Atmel Corp	11007QRG/US
473	201210277101.4	CN	Substantially Edgeless Touch Sensor	Aug 6, 2012	Atmel Corp	11009QRG/CN
474	102012213689.4	DE	Substantially Edgeless Touch Sensor	Aug 2, 2012	Atmel Corp	11009QRG/DE
475	101127007	TW	Substantially Edgeless Touch Sensor	Jul 26, 2012	Atmel Corp	11009QRG/TW
476	13/206,689	US	Substantially Edgeless Touch Sensor	Aug 10, 2011	Atmel Corp	11009QRG/US
477	201210231833.X	CN	Touch Sensor for Curved or Flexible Surfaces	Jul 5, 2012	Atmel Corp	11010QRG/CN
478	102012212014.9	DE	Touch Sensor for Flexible or Curved Surfaces	Jul 10, 2012	Atmel Corp	11010QRG/DE
479	101123775.0	TW	Touch Sensor for Curved or Flexible Surfaces	Jul 2, 2012	Atmel Corp	11010QRG/TW
480	13/198,579	US	Touch Sensor for Curved or Flexible Surfaces	Aug 4, 2011	Atmel Corp	11010QRG/US
481	201210394366.2	CN	Flexible Touch Sensor	Oct 17, 2012	Atmel Corp	11011QRG/CN
482	102012218783.9	DE	Flexible Touch Sensor	Oct 16, 2012	Atmel Corp	11011QRG/DE
483	101137833	TW	Flexible Touch Sensor	Oct 12, 2012	Atmel Corp	11011QRG/TW

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
484	13/284,674	US	Flexible Touch Sensor	Oct 28, 2011	Atmel Corp	11011QRG/US
485	13/191,349	US	Method of computing a width of a scribe region based on a bonding structure that extends into the scribe region in a wafer-level chip scale (WLCS) packaging	Jul 26, 2011	Atmel Corp	11012MEM/US
486	201210396218.4	CN	Randomizing One or More Micro-Features of a Touch Sensor	Oct 18, 2012	Atmel Corp	11014QRG/CN
487	102012220093.2	DE	Randomizing One or More Micro-Features of a Touch Sensor	Nov 5, 2012	Atmel Corp	11014QRG/DE
488	101131047	TW	Randomizing One or More Micro-Features of a Touch Sensor	Aug 27, 2012	Atmel Corp	11014QRG/TW
489	13/288,385	US	Randomizing One or More Micro-Features of a Touch Sensor	Nov 3, 2011	Atmel Corp	11014QRG/US
490	102012217976.3	DE	Narrow-Band Touch Detection	Oct 2, 2012	Atmel Corp	11015QRG/DE
491	13/283,131	US	Sense signal filtering	Oct 27, 2011	Atmel Corp	11015QRG/US
492	201210328416.7	CN	Improving Signal-to-Noise Ratio in Touch Sensors	Sep 6, 2012	Atmel Corp	11016QRG/CN
493	102012215894.4	DE	Improving Signal-to-Noise Ratio in Touch Sensors	Sep 7, 2012	Atmel Corp	11016QRG/DE
494	101132193	TW	Signal-to-Noise Ratio in Touch Sensors	Sep 4, 2012	Atmel Corp	11016QRG/TW
495	13/226,848	US	Signal-to-Noise Ratio in Touch Sensors	Sep 7, 2011	Atmel Corp	11016QRG/US
496	201210518394.0	CN	Multi-Surface Capacitive Touch Sensor	Dec 5, 2012	Atmel Corp	11017QRG/CN

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
497	10201222313.4	DE	Multi-Surface Capacitive Touch Sensor	Dec 5, 2012	Atmel Corp	11017QRG/DE
498	13/310,912	US	Multi-Surface Capacitive Touch Sensor	Dec 5, 2011	Atmel Corp	11017QRG/US
499	102012215865.0	DE	Integrated Test System for a Touch Sensor	Sep 7, 2012	Atmel Corp	11018QRG/DE
500	101132186	TW	Integrated Test System for a Touch Sensor	Sep 4, 2012	Atmel Corp	11018QRG/TW
501	13/227,599	US	Integrated Test System for a Touch Sensor	Sep 8, 2011	Atmel Corp	11018QRG/US
502	201210285617.3	CN	Touch Sensing with a Common Driver	Aug 10, 2012	Atmel Corp	11019QRG/CN
503	102012213822.6	DE	Touch Sensing with a Common Driver	Aug 3, 2012	Atmel Corp	11019QRG/DE
504	101128821	TW	Touch Sensing with a Common Driver	Aug 9, 2012	Atmel Corp	11019QRG/TW
505	13/208,967	US	Touch Sensing with a Common Driver	Aug 12, 2011	Atmel Corp	11019QRG/US
506	201210278308.3	CN	Capacitive Touch Sensor Control Unit With Sampling Capacitors For Differential Integration	Aug 7, 2012	Atmel Corp	11022QRG/CN
507	102012214228.2	DE	Capacitive Touch Sensor Control Unit With Sampling Capacitors For Differential Integration	Aug 10, 2012	Atmel Corp	11022QRG/DE
508	101128820	TW	Capacitive Touch Sensor Control Unit With Sampling Capacitors For Differential Integration	Aug 9, 2012	Atmel Corp	11022QRG/TW
509	13/207,108	US	Capacitive Touch Sensor Control Unit With Sampling Capacitors For Differential Integration	Aug 10, 2011	Atmel Corp	11022QRG/US
510	201210285622.4	CN	Apparatus and Method for Touch Sensing with a Common	Aug 10, 2012	Atmel Corp	11023QRG/CN

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
			Driver (Amended)			
511	102012214071.9	DE	Touch Sensing With a Common Driver	Aug 8, 2012	Atmel Corp	11023QRG/DE
512	101128805	TW	Touch Sensing With a Common Driver	Aug 9, 2012	Atmel Corp	11023QRG/TW
513	13/209,042	US	Touch Sensing With a Common Driver	Aug 12, 2011	Atmel Corp	11023QRG/US
514	201210281713	CN	Analog to Digital Converter with Dual Integrating Capacitor Systems	Aug 9, 2012	Atmel Corp	11026QRG/CN
515	102012213691.6	DE	Analog to Digital Converter with Dual Integrating Capacitor Systems	Aug 2, 2012	Atmel Corp	11026QRG/DE
516	101128827	TW	Analog to Digital Converter with Dual Integrating Capacitor Systems	Aug 9, 2012	Atmel Corp	11026QRG/TW
517	201210285221.9	CN	Analog to Digital Converter with Adjustable Conversion Window	Aug 10, 2012	Atmel Corp	11027QRG/CN
518	102012213823.4	DE	Analog to Digital Converter with Adjustable Conversion Window	Aug 3, 2012	Atmel Corp	11027QRG/DE
519	101128826	TW	Analog to Digital Converter with Adjustable Conversion Window	Aug 9, 2012	Atmel Corp	11027QRG/TW
520	102012219166.6	DE	Touch Sensor With Measurement to Noise Synchronization	Oct 22, 2012	Atmel Corp	11029QRG/DE
521	13/285,739	US	Touch Sensor With Measurement to Noise Synchronization	Oct 31, 2011	Atmel Corp	11029QRG/US
522	13/252,533	US	Touch Sensor Input Tool With Offset Between Touch Icon	Oct 4, 2011	Atmel Corp	11030QRG/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
			And Input Icon			
523	13/176,569	US	Main Supply Zero Crossing Detection for PFC Converter	Jul 5, 2011	Atmel Corp	11034MCU/US
524	13/312,369	US	Substantially Edgeless Touch Sensor	Dec 6, 2011	Atmel Corp	11035QRG/US
525	13/228,972	US	Leakage-Current Compensation For A Voltage Regulator	Sep 9, 2011	Atmel Corp	11038RFA/US
526	13/325,239	US	Single-Layer Touch Sensor	Dec 14, 2011	Atmel Corp	11039QRG/US
527	13/314,690	US	Touch Sensor With Inductive Charging	Dec 8, 2011	Atmel Corp	11040QRG/US
528	13/331,893	US	Touch Sensor with Passive Electrical Components	Dec 20, 2011	Atmel Corp	11043QRG/US
529	13/350,018	US	Touch Screen with Electrodes Positioned Between Pixels	Jan 13, 2012	Atmel Corp	11047FLM/US
530	13/427,813	US	Low Power Capacitive Touch Detector	Mar 22, 2012	Atmel Corp	11050MCU/COA/US
531	102012215531.7	DE	Low Power Capacitive Touch Detector	Aug 31, 2012	Atmel Corp	11050MCU/DE
532	13/233,589	US	Low Power Capacitive Touch Detector	Sep 15, 2011	Atmel Corp	11050MCU/US
533	13/328,967	US	Touch Sensor Including Mutual Capacitance Electrodes and Self-Capacitance Electrodes	Dec 16, 2011	Atmel Corp	11051QRG/US
534	13/327,381	US	Touch Sensor with Capacitive Nodes Having a Capacitance that is Approximately the Same	Dec 15, 2011	Atmel Corp	11052QRG/US
535	13/858,757	US	Programmable Logic Unit	Apr 8, 2013	Atmel Corp	11055MCU/COA/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
536	13/427,779	US	Primary Side PFC Driver with Dimming Capacity	Mar 22, 2012	Atmel Corp	11059MCU/COA/US
537	13/246,752	US	Encrypted Memory Access	Sep 27, 2011	Atmel Corp	11061MCU/US
538	13/314,858	US	Touch Sensor with Adaptive Touch Detection Thresholding	Dec 8, 2011	Atmel Corp	11066QRG/US
539	13/226,059	US	Touch Sensor with Touch Object Discrimination	Sep 6, 2011	Atmel Corp	11069QRG/US
540	13/452,115	US	Inter Touch -Sensor Communications	Apr 20, 2012	Atmel Corp	11071QRG/US
541	13/309,042	US	Surface Coverage Touch	Dec 1, 2011	Atmel Corp	11073QRG/US
542	102012221361.9	DE	Touch Sensor with Spacers Supporting a Cover Panel	Nov 22, 2012	Atmel Corp	11076QRG/DE
543	13/302,527	US	Touch Sensor with Spacers Supporting a Cover Panel	Nov 22, 2011	Atmel Corp	11076QRG/US
544	13/326,123	US	Improved Method For Determining Coordinates Of Touches	Dec 14, 2011	Atmel Corp	11077QRG/US
545	13/332,945	US	Enhanced Touch Detection Methods	Dec 21, 2011	Atmel Corp	11078QRG/US
546	13/300,108	US	Low-Resistance Electrodes	Nov 18, 2011	Atmel Corp	11081FLM/US
547	13/309,456	US	Capacitive Coupling of Bond Pads	Dec 1, 2011	Atmel Corp	11082FLM/US
548	13/309,103	US	Touch Sensor With Force Sensing	Dec 1, 2011	Atmel Corp	11083QRG/US
549	201210320959.4	CN	Dual-Substrate-Sensor Stack	Sep 3, 2012	Atmel Corp	11085FLM/01/CN
550	102013200648.9	DE	Dual-Substrate-Sensor Stack	Jan 17, 2013	Atmel Corp	11085FLM/01/DE

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
551	102101676	TW	Dual-Substrate-Sensor Stack	Jan 16, 2013	Atmel Corp	11085FLM/01/TW
552	13/351,809	US	Dual-Substrate-Sensor Stack	Jan 17, 2012	Atmel Corp	11085FLM/01/US
553	201310016940.5	CN	Sensor Stack with Opposing Electrodes	Jan 17, 2013	Atmel Corp	11085FLM/02/CN
554	102013200692.6	DE	Sensor Stack with Opposing Electrodes	Jan 17, 2013	Atmel Corp	11085FLM/02/DE
555	102101864	TW	Sensor Stack with Opposing Electrodes	Jan 17, 2013	Atmel Corp	11085FLM/02/TW
556	13/351,998	US	Sensor Stack with Opposing Electrodes	Jan 17, 2012	Atmel Corp	11085FLM/02/US
557	201310018090.2	CN	On-Display-Sensor Stack	Jan 17, 2013	Atmel Corp	11085FLM/03/CN
558	102013200691.8	DE	On-Display-Sensor Stack	Jan 17, 2013	Atmel Corp	11085FLM/03/DE
559	13/351,903	US	On-Display-Sensor Stack	Jan 17, 2012	Atmel Corp	11085FLM/03/US
560	13/231,611	US	Secure Contactless Data Communication	Sep 13, 2011	Atmel Automotive	11086RFA/US
561	13/413,820	US	Driving Circuits for Light Emitting Elements	Mar 7, 2012	Atmel Corp	11087MCU/COA/US
562	13/275,954	US	Driving Circuits for Light Emitting Elements	Oct 18, 2011	Atmel Corp	11087MCU/US
563	102012220263.3	DE	Securing Radio-Frequency Identification Systems	Nov 7, 2012	Atmel Corp	11088RFA/DE
564	13/290,959	US	Securing Radio-Frequency Identification Systems	Nov 7, 2011	Atmel Corp	11088RFA/US
565	13/281,366	US	Multi-Channel Driver Equalizer	Oct 25, 2011	Atmel Corp	11090MCU/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
566	13/284,115	US	Touch Sensor With User Identification	Oct 28, 2011	Atmel Corp	11095QRG/US
567	13/330,443	US	Low-Resistance Electrodes	Dec 19, 2011	Atmel Corp	11098FLM/US
568	13/309,741	US	Microcontroller Resource Sharing.	Dec 2, 2011	Atmel Corp	11100MCU/US
569	13/310,256	US	System For Detecting Touch Types	Dec 2, 2011	Atmel Corp	11101QRG/US
570	13/310,088	US	Improved Touch Sensing Using Motion Information	Dec 2, 2011	Atmel Corp	11102QRG/US
571	13/331,411	US	Pulse Width Modulation Controller Architectures	Dec 20, 2011	Atmel Nantes	11105MCU/US
572	13/308,190	US	Circuit for Driving Light Emitting Elements	Nov 30, 2011	Atmel Corp	11106MCU/US
573	13/289,603	US	Power Conversion Feedback Control Circuit	Nov 4, 2011	Atmel Corp	11108MCU/US
574	102012220709.0	DE	Sense Amplifier with Offset Current Injection	Nov 4, 2012	Atmel Corp	11113MEM/DE
575	13/316,301	US	Sense Amplifier with Offset Current Injection	Dec 9, 2011	Atmel Corp	11113MEM/US
576	13/332,142	US	Adaptive Phase-Lead Compensation with Miller Effect	Dec 20, 2011	Atmel Corp	11114MEM/US
577	201210557374.4	CN	Touch Sensor with Reduced Anti-Touch Effects	Dec 20, 2012	Atmel Corp	11115QRG/CN
578	101148511	TW	Touch Sensor with Reduced Anti-Touch Effects	Dec 19, 2012	Atmel Corp	11115QRG/TW
579	13/330,257	US	Touch Sensor with Reduced Anti-Touch Effects	Dec 20, 2011	Atmel Corp	11115QRG/US
580	13/351,597	US	System and Method for Reducing the Effects of Parasitic Capacitances	Jan 17, 2012	Atmel Corp	11116QRG/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
581	201210319982.1	CN	Multi-Surface Touch Sensor Device with Mode of Operation Selection	Aug 31, 2012	Atmel Corp	11119FLM/CN
582	102012223250.8	DE	Multi-Surface Touch Sensor Device with Mode of Operation Selection	Dec 14, 2012	Atmel Corp	11119FLM/DE
583	101131057	TW	Multi-Surface Touch Sensor Device with Mode of Operation Selection	Aug 27, 2012	Atmel Corp	11119FLM/TW
584	13/329,898	US	Multi-Surface Touch Sensor Device with Mode of Operation Selection	Dec 19, 2011	Atmel Corp	11119FLM/US
585	201210478398.0	CN	Integrated Touch Screen	Nov 22, 2012	Atmel Corp	11121FLM/CN
586	102012221359.7	DE	Integrated Touch Screen	Nov 22, 2012	Atmel Corp	11121FLM/DE
587	101143529	TW	Integrated Touch Screen	Nov 21, 2012	Atmel Corp	11121FLM/TW
588	13/422,410	US	Integrated Touch Screen	Mar 16, 2012	Atmel Corp	11121FLM/US
589	102013202186.0	DE	Preventing or Reducing Corrosion to Conductive Sensor Traces	Feb 11, 2013	Atmel Corp	11123FLM/DE
590	13/369,538	US	Preventing or Reducing Corrosion to Conductive Sensor Traces	Feb 9, 2012	Atmel Corp	11123FLM/US
591	102012223052.1	DE	Multi-Surface Touch Sensor Device With User Action Detection	Dec 13, 2012	Atmel Corp	11124FLM/DE
592	13/330,098	US	Multi-Surface Touch Sensor Device With User Action Detection	Dec 19, 2011	Atmel Corp	11124FLM/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
593	13/348,274	US	Corrosion Resistant Touch Sensor	Jan 11, 2012	Atmel Corp	11125FLM/US
594	13/400,810	US	Flexible Touch Sensor Input Device	Feb 21, 2012	Atmel Corp	11126FLM/US
595	102013201508.9	DE	Thin Dielectric Layer For Touch Sensor Stack	Jan 30, 2013	Atmel Corp	11127FLM/DE
596	13/364,057	US	Thin Dielectric Layer For Touch Sensor Stack	Feb 1, 2012	Atmel Corp	11127FLM/US
597	13/451,352	US	Self-Capacitance Measurement	Apr 19, 2012	Atmel Corp	11132QRG/US
598	201310049450.5	CN	Connecting Conductive Layers Using In- Mould Lamination And Decoration	Feb 7, 2013	Atmel Corp	11134FLM/CN
599	102013202014.7	DE	Connecting Conductive Layers Using In- Mould Lamination And Decoration	Feb 7, 2013	Atmel Corp	11134FLM/DE
600	102104987	TW	Connecting Conductive Layers Using In- Mould Lamination And Decoration	Feb 7, 2013	Atmel Corp	11134FLM/TW
601	13/367,958	US	Connecting Conductive Layers Using In- Mould Lamination And Decoration	Feb 7, 2012	Atmel Corp	11134FLM/US
602	201310049471.7	CN	Method and System for Mechanical Coupling of Flexible Printed Circuit to a Sensor	Feb 7, 2013	Atmel Corp	11135FLM/CN
603	102104985	TW	Method and System for Mechanical Coupling of Flexible Printed Circuit to a Sensor	Feb 7, 2013	Atmel Corp	11135FLM/TW
604	13/367,511	US	Method and System for Mechanical Coupling of Flexible Printed Circuit to a Sensor	Feb 7, 2012	Atmel Corp	11135FLM/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
605	13/402,807	US	Single-wire Bootloader for Target Device with Self-programming Capability	Feb 22, 2012	Atmel Corp	11136MCU/US
606	13/416,994	US	Digital Architectures For Serial Data Stream Operations	Mar 9, 2012	Atmel Corp	11138MEM/US
607	13/414,377	US	Buffer-Reference Self-Capacitance Measurement	Mar 7, 2012	Atmel Corp	11140QQRG/US
608	13/523,372	US	Driven Shield for Shaping an Electric Field of a Touch Sensor	Jun 14, 2012	Atmel Corp	11142QQRG/US
609	13/539,648	US	Conductive Shield for Shaping an Electric Field of a Conductive Wire	Jul 2, 2012	Atmel Corp	11143QQRG/US
610	13/329,929	US	Touch Sensor With Surface Irregularities	Dec 19, 2011	Atmel Corp	11146FLM/US
611	102013200258.0	DE	FLM Patterning by the Use of A Focused Beam Laser	Jan 10, 2013	Atmel Corp	11147FLM/DE
612	13/347,162	US	Touch Sensor Tracks	Jan 10, 2012	Atmel Corp	11147FLM/US
613	13/331,022	US	Touch Sensor with Conductive Lines Having Different Widths	Dec 20, 2011	Atmel Corp	11148FLM/US
614	13/413,306	US	Touch Sensor with Conductive Lines Having Portions with Different Widths	Mar 6, 2012	Atmel Corp	11148FLM-A/US
615	13/415,916	US	Boosting Memory Reads	Mar 9, 2012	Atmel Corp	11159MEM/US
616	201210479444.9	CN	Single-Layer Touch Sensor with Crossovers	Nov 22, 2012	Atmel Corp	11160FLM/CN
617	102012221357.0	DE	Single-Layer Touch Sensor with Crossovers	Nov 22, 2012	Atmel Corp	11160FLM/DE

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
618	101143526	TW	Single-Layer Touch Sensor with Crossovers	Nov 21, 2012	Atmel Corp	11160FLM/TW
619	13/363,887	US	Single-Layer Touch Sensor with Crossovers	Feb 1, 2012	Atmel Corp	11160FLM/US
620	10 2013 203 901.8	DE	Adaptive Programming for Non-Volatile Memory Devices	Mar 7, 2013	Atmel Corp	12003MEM/DE
621	13/425,203	US	Adaptive Programming for Non-Volatile Memory Devices	Mar 20, 2012	Atmel Corp	12003MEM/US
622	13/445,748	US	Current Mirror Self-Capacitance Measurement	Apr 12, 2012	Atmel Corp	12010QRG/US
623	13/442,446	US	Token based communication in daisy chain configured battery management devices	Apr 9, 2012	Atmel Corp	12025RFA/US
624	102013206124.2	DE	Differential Interface for Inter-Device Communication in a Battery Management and Protection System	Apr 8, 2013	Atmel Corp	12026RFA/DE
625	13/442,502	US	Differential Interface for Inter-Device Communication in a Battery Management and Protection System	Apr 9, 2012	Atmel Corp	12026RFA/US
626	13/475,316	US	Operations Using Direct Memory Access	May 18, 2012	Atmel Corp	12028MCU/US
627	96108318	TW	Deep Under Voltage Recovery in a Battery Pack	Mar 9, 2007	Atmel Corp; Sony Corp (Japan)	20275-0008001/TW
628	10-2008-7024779	KR	Power Surge Filtering in Over-Current and Short-Circuit Protection	Mar 8, 2007	Atmel Corp; Sony Corp (Japan)	20275-0009001/KR
629	96108307	TW	Power Surge Filtering in Over-Current and Short Circuit Protection	Mar 9, 2007	Atmel Corp; Sony Corp (Japan)	20275-0009001/TW
630	2008-558541	JP	Random Number Generator in a Battery Pack	Mar 8, 2007	Atmel Corp; Sony Corp	20275-0011002/JP

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
					(Japan)	
631	10-2008-7024781	KR	Random Number Generator in a Battery Pack	Mar 8, 2007	Atmel Corp; Sony Corp (Japan)	20275-0011002/KR
632	96108311	TW	Random Number Generator in a Battery Pack	Mar 9, 2007	Atmel Corp; Sony Corp (Japan)	20275-0011002/TW
633	11 2007 002 362.7	DE	Analog Combination Regulator	Sep 28, 2007	Atmel Corp	20275-0021001/L/DE
634	096136463	TW	Analog Combination Regulator	Sep 28, 2007	Atmel Corp	20275-0021001/L/TW
635	112007002047.4	DE	Detector Based Combination Regulator	Aug 31, 2007	Atmel Corp	20275-0025001/L/DE
636	096132662	TW	Detector Based Combination Regulator	Aug 31, 2007	Atmel Corp	20275-0025001/L/TW
637	097110830	TW	Methods and Apparatus to Detect Voltage Class of a Circuit	Mar 26, 2008	Atmel Rousset	20275-0034001/TW
638	112008001126.5	DE	Storage Device Wear Leveling	May 2, 2008	Atmel Corp	20275-0042001-L/DE
639	097116411	TW	A Wear Levelling Method	May 2, 2008	Atmel Corp	20275-0042001-L/TW
640	12/034,308	US	Fabricating Low Cost Solder Bumps on Integrated Circuit Wafers	Feb 20, 2008	Atmel Corp	20275-0076001/US
641	10 2009 014 492.7	DE	Opposing Currents Differential Amplifier	Mar 23, 2009	Atmel Corp	20275-0078001/DE
642	11/021,346	US	Temperature-Stable Voltage Reference Circuit	Dec 22, 2004	Atmel Corp	3006P/US
643	06718949.8	EP	Single Chip Microcontroller Including Battery Management and Protection	Jan 19, 2006	Atmel Corp	3449P/EP

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
644	11/148,049	US	Mechanism for Storing and Extracting Trace Information Using Internal Memory in Microcontrollers	Jun 7, 2005	Atmel Corp	3540P/US
645	112007001308.7	DE	Method and System for Providing a Charge Pump for Very Low Voltage Applications	Jun 5, 2007	Atmel Corp	3785P/DE
646	1120080004579	DE	Soft Transition from Constant-Current to a Constant-Voltage Mode in a Battery Charger	Feb 22, 2008	Atmel Corp	4008P/DE
647	11/603,495	US	Secure Biometric Processing System and Method of Use	Nov 22, 2006	Atmel Corp	4069P-MA/US
648	11 2008 001 143.5	DE	Serialization of Data in Multi-Chip Bus Implementation	Apr 23, 2008	Atmel Corp	4092P/DE
649	1120080006458	DE	Current Sensing Analog to Digital Converter and Method of Use	Feb 22, 2008	Atmel Corp	4110P/DE
650	11 2008 000 991.0	DE	Method and Apparatus for Testing Page Decoder	Apr 10, 2008	Atmel Corp	4140P/DE
651	097139090	TW	Differential Power Amplifier with Single Ended Output	Oct 9, 2008	Atmel Corp	4252P/TW
652	04 029 045.4	EP	Eight-Bit Microcontroller Having a RISC Architecture	Dec 8, 2004	Atmel Corp	ATM-087/DVA/EP
653	03 809 517.0	EP	A Flash Memory Architecture With Page Mode Erase Using NMOS and PMOS Row Decoding Scheme	Sep 4, 2003	Atmel Corp	ATM-230/EP
654	04 817 831.3	EP	Method of forming a low voltage gate oxide layer and tunnel oxide layer in an EEPROM cell	Nov 16, 2004	Atmel Corp	ATM-262/EP
655	13/337,543	US	Communication Protocol Method And Apparatus For A Single Wire Device	Dec 27, 2011	Atmel Corp	ATM-274/DVB/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
656	05757503.7	DE	Power Conversion Device With Efficient Output Current Sensing	Jun 6, 2005	Atmel Corp	ATM-309/DE
657	05757503.7	EP	Power Conversion Device With Efficient Output Current Sensing	Jun 6, 2005	Atmel Corp	ATM-309/EP
658	05770835.6	DE	Self-Adaptive Program Delay Circuitry for Programmable Memories	Jul 11, 2005	Atmel Corp	ATM-320/DE
659	05770835.6	EP	Self-Adaptive Program Delay Circuitry for Programmable Memories	Jul 11, 2005	Atmel Corp	ATM-320/EP
660	11/379,872	US	Communications Device without Passive Pullup Components	Apr 24, 2006	Atmel Corp	ATM-366/US
661	11/123,305	US	Transient Pulse, Substrate-Triggered Bi- CMOS Rail Clamp for ESD Abatement	May 6, 2005	Atmel Corp	ATM-368/US
662	06771282.8	EP	Efficient Subprogram Return in Microprocessors	May 25, 2006	Atmel Corp	ATM-386/EP
663	12/534,819	US	Apparatus and Method for Increasing the Quantity of Discrete Electronic Components in an Integrated Circuit Package	Aug 3, 2009	Atmel Corp	ATM-423/PRI/US
664	07784521.2	EP	Method and Apparatus to Prevent High Voltage Supply Degradation for High-Voltage Latches of a Non-Volatile Memory	Jun 22, 2007	Atmel Corp	ATM-483/EP
665	096123964	TW	Method and Apparatus to Prevent High Voltage Supply Degradation for High-Voltage Latches of a Non-Volatile Memory	Jul 2, 2007	Atmel Corp	ATM-483/TW
666	11 2008 000 205.3	DE	Differential Amplitude Controlled Sawtooth Generator	Jan 16, 2008	Atmel Corp	ATM-533/DE

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
667	97101741	TW	Differential Amplitude Controlled Sawtoop Generator	Jan 16, 2008	Atmel Corp	ATM-533/TW
668	11 2008 001 113.3	DE	Dual-Reference Phase Tracking PLL	Apr 23, 2008	Atmel Corp	ATM-552/DE
669	11/927,298	US	High-Efficiency Bi-Directional Charge Pump Circuit	Oct 29, 2007	Atmel Corp	ATM-563/PRI/US
670	200880008801.5	CN	NAND Flash Memory with Heirarchical Bitline and Wordline Architecture	Mar 20, 2008	Atmel Corp	ATMSP-049/CN
671	1120080007500	DE	A High Density NOR Like Memory Device with a NAND Like Memory Array	Mar 20, 2008	Atmel Corp	ATMSP-049/DE
672	13/254,439	US	Method for Identifying Smart Meters in a Smart Grid	Aug 11, 2011	Atmel Corp	IDT2650/US
673	201080069714.8	CN	A Novel Switch Used in Programmable Gain Amplifier	Oct 21, 2010	Atmel Corp	IDT2659/CN
674	10858527.4	EP	A Novel Switch Used in Programmable Gain Amplifier	Oct 21, 2010	Atmel Corp	IDT2659/EP
675	13/393,795	US	Systems and methods for communication with a smart power meter over optical fiber	Mar 1, 2012	Atmel Corp	IDT2801/US
676	04364067.1	EP	Circuit micro-electronique d'activation ou de desactivation de buffers, lecteur de cartes a puce et procede de desactivation correspondants.	Oct 29, 2004	Atmel Corp	NT0-61-L/EP
677	07 112 289.9	EP	Procede de gestion de transitions dans un moteur BDLC a trois phases et dispositif correspondant	Jul 11, 2007	Atmel Corp	NT0-94/EP
678	06738802.5	EP	Method and apparatus for operating a wireless PAN network using an overlay protocol that enhances co-existence with a wireless LAN network	Mar 14, 2006	Atmel Corp	OZ0600/EP

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
679	0810646.5	HK	Method and apparatus for operating a wireless PAN network using an overlay protocol that enhances co-existence with a wireless LAN network	Mar 14, 2006	Atmel Corp	OZ0600/HK
680	11/376,753	US	Method and apparatus for operating a wireless PAN network using an overlay protocol that enhances co-existence with a wireless LAN network	Mar 14, 2006	Atmel Corp	OZ0600/US
681	102004014562.8-35	DE	Datenübertragungsverfahren in RFID- und Remote-Sensor Systemen	Mar 25, 2004	Atmel Corp	P000010/DE/1
682	102004004411.2-31	DE	Funkuhr und Verfahren zur Gewinnung von Zeitinformationen	Jan 29, 2004	Atmel Corp; C- MAX Time Solutions GmbH	P000015/DE/3-LR
683	102004004375.2-31	DE	Verfahren zur Gewinnung von Zeitinformationen und Funkuhr	Jan 29, 2004	Atmel Corp; C- MAX Time Solutions GmbH	P000018/DE/1
684	102004002776.5-31	DE	Empfangerschaltung und Verfahren zum Betreiben einer Empfangerschaltung Kir eine Funkuhr	Jan 20, 2004	Atmel Corp; C- MAX Time Solutions GmbH	P000029/DE/2
685	10349092.2-32	DE	Integrierte Schaltungsanordnung zum Erkennen und Ausgeben von Steuersignalen	Oct 22, 2003	Atmel Corp	P000030/DE/1
686	13/051,797	US	Method for Selecting One or More Transponders	Mar 18, 2011	Atmel Corp	P000048/US/2
687	102005026091.8-31	DE	Verfahren und Empfangseinheit zur Detektion von Datensymbolen	Jun 7, 2005	Atmel Corp	P000119/DE/1
688	102006020485.9-35	DE	Operationsverstärker	Apr 28, 2006	Atmel Corp	P000215/DE/1
689	102006017973.0-35	DE	Frequenzmodulator	Apr 13, 2006	Atmel Corp	P000217/DE/1

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
690	13/037,509	US	Transponder and Method for Wireless Data Transmission	Mar 1, 2011	Atmel Corp	P000238/US/2
691	112008000057.3	DE	Vorrichtung und Verfahren zur Erzeugung einer Zufallszahl	May 21, 2008	Atmel Corp	P000263/DE/2
692	102000200801371 8.9-3	DE	Passiver, rucksackbasierter Transponder	Mar 5, 2008	Atmel Corp	P000275/DE/2
693	13/548,961	US	Method for Obtaining Field Strength Information	Jul 13, 2012	Atmel Corp	P000283/US/3
694	102006058168.7- 55	DE	Antenne für einen rucksackbasierten RFID- Transponder	Dec 9, 2006	Atmel Corp	P000284/DE/1
695	12/138,162	US	Transponder and Method for Operating a Transponder	Jun 12, 2008	Atmel Corp	P000325/US/2
696	200910208102.1	CN	Schaltung, Verfahren zur Steuerung und Verwendung einer Schaltung für einen Ruhemodus und einen Betriebsmodus	Oct 28, 2009	Atmel Corp	P000338/CN/1
697	12/358,329	US	Receiver, receiving method, and use of an in-phase signal and a quadrature-phase signal	Jan 23, 2009	Atmel Corp	P000342/US/2
698	102009011549.8- 35	DE	Schaltung und Verfahren zur Spiegelfrequenzunterdrückung	Mar 6, 2009	Atmel Corp	P000347/DE/1
699	12/018,023	US	Method and device for protecting products against counterfeiting	Jan 22, 2008	Atmel Corp	P000356/US/2
700	12/423,584	US	Digital radio network, circuit of a node of a digital radio network, and method for setting up a digital radio network	Apr 14, 2009	Atmel Corp	P000393/US/2
701	1020080204528	DE	Verfahren zur Erzeugung eines Layouts, Verwendung eines Transistorlayouts und Halbleiterschaltung	Apr 23, 2008	Atmel Corp	P000360/DE/3

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
702	12/720,317	US	Circuit and Method for Controlling a Receiver Circuit	Mar 10, 2010	Atmel Corp	P000379/US/2
703	10003721.7-1524	EP	Method for Obtaining Field Strength Information	Apr 7, 2010	Atmel Corp	P000385/EP/1
704	102009014416.1-31	DE	Digitales Funknetz, Schaltung eines Knotens eines digitalen Funknetzes und Verfahren zum Einrichten eines digitalen Funknetzes	Mar 26, 2009	Atmel Corp	P000393/DE/2
705	102008018914.6-35	DE	Sendeschaltung, Verfahren zum Senden und Verwendung	Apr 14, 2008	Atmel Corp	P000394/DE/1
706	12/580,711	US	Supplying voltage in a circuit using a first voltage source and an adjustable second voltage source	Oct 16, 2009	Atmel Corp	P000405/US/2
707	102008027392.9-55	DE	Schaltung und Verfahren zum Betrieb einer Schaltung	Jun 9, 2008	Atmel Corp	P000395/DE/1
708	12/648,987	US	Receiver and Method for Operating a Receiver	Dec 29, 2009	Atmel Corp	P000412/US/2
709	12/860,254	US	Arranging, during a session with a first transponder, a session with a second transponder	Aug 20, 2010	Atmel Corp	P000397/US/2
710	10 2008 027 389.9	DE	Transmission Circuit and Method for Transmitting a Bit Sequence to be Transmitted	Jun 9, 2008	Atmel Corp	P000401/DE/1
711	12/649,133	US	Transmitter-receiver circuit and method for distance measurement between a first node and a second node of a radio network	Dec 29, 2009	Atmel Corp	P000423/US/2
712	102008051222.2-31	DE	Schaltung eines Funksystems, Verwendung und Verfahren zum Betrieb	Oct 14, 2008	Atmel Corp	P000404/DE/1

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
713	12/824,874	US	Circuit of a Node and Method for Transit Time Measurement in a Radio Network	Jun 28, 2010	Atmel Corp	P000429/US/2
714	12/782,868	US	Circuit and Method for Operating a Circuit of a Node of a Radio Network	May 19, 2010	Atmel Corp	P000430/US/2
715	200910208104.0	CN	Circuit, Use, and Method for Operating a Circuit	Oct 28, 2009	Atmel Corp	P000405/CN/1
716	102008053535.4-55	DE	Schaltung, Verfahren zum Einstellen und Verwendung eines Regelkreises	Oct 28, 2008	Atmel Corp	P000406/DE/1
717	102008029409.8-34	DE	Schaltung mit einer geregelten Ladungspumpe	Jun 23, 2008	Atmel Corp	P000407/DE/1
718	102009031310.9-55	DE	Speichersystem, Leseverstärker, Verwendung und Verfahren zur Fehlerdetektion mittels Parity-Bits eines Blockcodes	Jun 30, 2009	Atmel Corp	P000408/DE/2
719	200910209106.1	CN	Circuit For A Loop Antenna and Method for Tuning	Oct 27, 2009	Atmel Corp	P000411/CN/1
720	102008053296.7-35	DE	Schaltung für eine Schleifenantenne und Verfahren zur Abstimmung	Oct 27, 2008	Atmel Corp	P000411/DE/1
721	102009057442.5	DE	Empfänger und Verfahren zum Betrieb eines Empfängers	Dec 9, 2009	Atmel Corp	P000412/DE/2
722	10 2010 006 010.0-55	DE	IC-Gehäuse	Jan 27, 2010	Atmel Corp	P000413/DE/1
723	102009019324.3-53	DE	Schaltung eines Transponders und Verfahren zum Prüfen der Schaltung	Apr 30, 2009	Atmel Corp	P000415/DE/1
724	12/766,548	US	Circuit for a transponder and method for testing the circuit	Apr 23, 2010	Atmel Corp	P000415/US/2

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
725	102008048986.7-35	DE	Antennenverstärker, Empfangssystem, Verfahren zum Betrieb und Verwendung eines Empfangssystems	Sep 25, 2008	Atmel Corp	P000416/DE/1
726	12/567,349	US	Antenna amplifier, receiving system, operating method, and use of a receiving system	Sep 25, 2009	Atmel Corp	P000416/US/2
727	102008056562.8-35	DE	Schaltung	Nov 10, 2008	Atmel Corp	P000418/DE/1
728	12/566,418	US	Slave circuit of a LIN Bus and method for operation	Sep 24, 2009	Atmel Corp	P000419/US/1
729	200910263721.0	CN	Schaltung, System und Verfahren zur Entfernungsmessung zwischen zwei Knoten eines Funknetzes	Dec 30, 2009	Atmel Corp	P000420/CN/1
730	13/327,186	US	Transmission-Reception Device of a Node of a Radio Network	Dec 15, 2011	Atmel Corp; Dietzsch & Thiele PartG	P000435/US/2
731	102009060593.2	DE	System, Verfahren und Schaltung zur Entfernungsmessung zwischen zwei Knoten eines Funknetzes	Dec 23, 2009	Atmel Corp	P000421/DE/2
732	13/182,286	US	Receiver and Method for the Reception of a Node by a Receiver in a Wireless Network	Jul 13, 2011	Atmel Corp	P000438/US/2
733	13/287,637	US	Transmitting Data between Nodes of a Wireless Network	Nov 2, 2011	Atmel Corp	P000440/US/2
734	13/307,417	US	Transmitting-Receiving Apparatus	Nov 30, 2011	Atmel Corp; Exegin Technologies Ltd.	P000442/US/2
735	102009060591.6	DE	Sender-Empfänger-Schaltung und Verfahren zur Entfernungsmessung zwischen einem ersten Knoten und einem zweiten Knoten eines Funknetzes	Dec 23, 2009	Atmel Corp	P000423/DE/2

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
736	13/307,561	US	Operating a Transceiver	Nov 30, 2011	Atmel Corp	P000447/US/2
737	102009029784.7-55	DE	Integrierter Schaltkreis und Standardzelle eines integrierten Schaltkreises	Jun 18, 2009	Atmel Corp	P000427/DE/1
738	102009031181.5-55	DE	Schaltung eines Knotens und Verfahren zur Laufzeitmessung in einem Funknetz	Jun 29, 2009	Atmel Corp	P000429/DE/1
739	102009022108.5-35	DE	Schaltung und Verfahren zum Betrieb einer Schaltung eines Knotens eines Funknetzes	May 20, 2009	Atmel Corp	P000430/DE/1
740	13/551,144	US	Correlation Device	Jul 17, 2012	Atmel Corp	P000358/US/3
741	102009029783.9-31	DE	Schaltung und Verfahren zum Betrieb eines Knotens in einem Funknetz	Jun 18, 2009	Atmel Corp	P000431/DE/1
742	12/836,047	US	Method and system of communication between a transponder and a base station	Jul 14, 2010	Atmel Corp	P000432/US/1
743	201010606149.6	CN	Circuit and Method for Adjusting an Offset Output Current for an Input Current Amplifier	Dec 23, 2010	Atmel Corp	P000434/CN/1
744	102009060504.5-35	DE	Schaltung und Verfahren zur Einstellung eines Offset-Ausgangsstroms für einen Eingangsstromverstärker	Dec 23, 2009	Atmel Corp	P000434/DE/1
745	13/652,166	US	Circuit and Method for Adjusting an Offset Output Current for an Input Current Amplifier	Oct 15, 2012	Atmel Corp	P000434/US/3
746	102011008440.1	DE	Transmission-Reception Device of a Node of a Radio Network	Jan 12, 2011	Atmel Corp; Dietzsch & Thiele PartG	P000435/DE/1
747	13/608,705	US	Voltage regulator and control circuit for supplying voltage to	Sep 10, 2012	Atmel Corp	P000403/US/3

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
			a plurality of subcircuits via a chain of switches			
748	10 2010 011 343.3-35	DE	Sende-Empfangsvorrichtung und Verfahren zur DatenObertragung in einem Funknetz	Mar 12, 2010	Atmel Corp	P000436/DE/1
749	13/724,939	US	Circuit for a Radio System, Use and Method for Operation	Dec 21, 2012	Atmel Corp	P000404/US/3
750	201110250941.7	CN	Receiver and Method for the Reception of a Node by a Receiver in a Wireless Network	Aug 16, 2011	Atmel Corp	P000438/CN/1
751	10 2010 034 521.0	DE	Empfänger und Verfahren zum Empfang durch einen Empfänger eines Knotens in einem Funknetz	Aug 16, 2010	Atmel Corp	P000438/DE/1
752	100128971	TW	Receiver and Method for the Reception of a Node by a Receiver in a Wireless Network	Aug 12, 2011	Atmel Corp	P000438/TW/1
753	13/663,187	US	Circuit, System an Method for Communication Between Two Nodes of a Radio Network	Oct 29, 2012	Atmel Corp	P000420/US/3
754	201110353900.0	CN	Transceiver and Method for Transmitting Data between Nodes of a Wireless Network	Nov 3, 2011	Atmel Corp	P000440/CN/1
755	102010050118.2	DE	Sende-Empfangs-Vorrichtung und Verfahren zur Übertragung von Daten zwischen Knoten eines Funknetzes	Nov 3, 2010	Atmel Corp	P000440/DE/1
756	100140203	TW	Transceiver and Method for Transmitting Data Between Nodes of a Wireless Network	Nov 3, 2011	Atmel Corp	P000440/TW/1
757	13/751,508	US	Receiving Circuit, Method for Receiving a Signal and Use of a Detection Circuit and a Control Circuit	Jan 28, 2013	Atmel Corp	P000392/US/3
758	10 2010 034 510.5	DE	Schaltung zur Überwachung von in Reihe geschalteten	Aug 16, 2010	Atmel Automotive	P000441/DE/1

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
			Akkumulatorzellen			
759	13/189,262	US	Circuit for Monitoring of Accumulator Cells Connected in Series	Jul 22, 2011	Atmel Automotive	P000441/US/2
760	10 2010 052 890.0	DE	Transmitting-Receiving Apparatus	Dec 1, 2010	Atmel Corp; Exegin Technologies Ltd.	P000442/DE/1
761	13/849,166	US	Circuit and Method for Distance Measurement Between Two Nodes of a Radio Network	Mar 22, 2013	Atmel Corp	P000422/US/3
762	201110291558.6	CN	Circuit for Analog-Digital Conversion	Sep 23, 2011	Atmel Automotive	P000443/CN/1
763	10 2010 044 592.4	DE	Schaltung und Verfahren zur Verstärkung eines Ober eine Antenne empfangenen Empfangssignals	Sep 7, 2010	Atmel Corp	P000444/DE/1
764	13/246,478	US	Charge Equalization between Series- Connected Battery Cells	Sep 27, 2011	Atmel Automotive	P000445/US/2
765	10 2010 046 702.2	DE	Schaltung und Verfahren zum Ladungsausgleich zwischen in Reihe geschalteten Akkumulatorzellen	Sep 28, 2010	Atmel Automotive	P000446/DE/1
766	13/247,240	US	Charge Equalization between Series- Connected Battery Cells	Sep 28, 2011	Atmel Automotive	P000446/US/2
767	201110443612.4	CN	Passive Transponder with a Charging Circuit and Method for Generating a Supply Voltage for a Passive Transponder	Dec 20, 2011	Atmel Corp	P000448/CN/1
768	102010056031.6-35	DE	Noise Passive Transponder with a Charging Circuit	Dec 27, 2010	Atmel Corp	P000448/DE/1
769	100146307	TW	Passive Transponder with a Charging Circuit and Method for	Dec 14, 2011	Atmel Corp	P000448/TW/1

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
			Generating a Supply Voltage for a Passive Transponder			
770	102010055557.6-33	DE	Semiconductor package	Dec 23, 2010	Atmel Corp	P000449/DE/1
771	13/312,636	US	Semiconductor package	Dec 6, 2011	Atmel Corp	P000449/US/2
772	03809784.6	EP	Slider Charge Transfer Capacitive Position Sensor	Oct 30, 2003	Atmel Corp	P017658QRG/EP
773	13/286,153	US	Determining a position of an object with respect to a touch screen element	Oct 31, 2011	Atmel Corp	P018137QRG/COB/ US
774	13/093,685	US	Touch Sensitive Screen	Apr 25, 2011	Atmel Corp	P023094QRG/COA/ US
775	102006031376.3	DE	Single-Layer Indium Tin Oxide Touch Screen	Jul 6, 2006	Atmel Corp	P023423QRG/DE
776	95124551	TW	Single-Layer Indium Tin Oxide Touch Screen	Jul 5, 2006	Atmel Corp	P023423QRG/TW
777	13/347,312	US	Capacitive Keyboard with Non-Locking Reduced Keying Ambiguity	Jan 10, 2012	Atmel Corp	P024787QRG/COB/ US
778	95123644	TW	Keyboard with Reduced Keying Ambiguity	Jun 29, 2006	Atmel Corp	P024787QRG/TW
779	10 2007 023 853.5	DE	Two-Dimensional Position Screen	May 23, 2007	Atmel Corp	P025530QRG/DE
780	11/734,813	US	Hybrid Capacitive Touch Screen Element	Apr 13, 2007	Atmel Corp	P026043QRG/US
781	10 2007 021 029.0	DE	Touch Screen Element	May 4, 2007	Atmel Corp	P026100QRG/DE
782	13/043,231	US	Capacitive Keyboard with Position- Dependent Reduced Keying Ambiguity	Mar 8, 2011	Atmel Corp	P026368QRG/COA/ US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
783	10 2007 024 455.1	DE	Touch Sensitive User Interface	May 25, 2007	Atmel Corp	P026368QRG/DE
784	11 2007 001 643.4	DE	Priority Suppression Technique (PST) and Combination	May 23, 2007	Atmel Corp	P026494QRG/DE
785	98144268	TW	Capacitive Position Sensor	Dec 22, 2009	Atmel Corp	P027102QRG/CIA/TW
786	102007049559.7	DE	Capacitive Position Sensor	Oct 16, 2007	Atmel Corp	P027102QRG/DE
787	200810210375.5	CN	Tilting Touch Control Panel	Feb 13, 2008	Atmel Corp	P028363QRG/CN
788	102008008921.4	DE	Tilting Touch Control Panel	Feb 13, 2008	Atmel Corp	P028363QRG/DE
789	12/029,497	US	Tilting Touch Control Panel	Feb 12, 2008	Atmel Corp	P028363QRG/US
790	1120080018006	DE	Two-Dimensional Touch Screen	Jul 7, 2008	Atmel Corp	P030491QRG/DE
791	12/668,850	US	Two-Dimensional Touch Panel	Apr 8, 2010	Atmel Corp	P030491QRG/PCT/US
792	097126553	TW	Two-Dimensional Touch Screen	Jul 11, 2008	Atmel Corp	P030491QRG/TW
793	1120080019665	DE	Two Dimensional Position Sensor	Jul 18, 2008	Atmel Corp	P030609QRG/DE
794	097128496	TW	Two Dimensional Position Sensor	Jul 25, 2008	Atmel Corp	P030609QRG/TW
795	12/670,632	US	Two-Dimensional Position Sensor	Apr 8, 2010	Atmel Corp	P030609QRG/US
796	13/116,764	US	Proximity Sensor	May 26, 2011	Atmel Corp	P031213QRG/COA/US
797	12/671,501	US	Sensor and Method of Sensing	Apr 8, 2010	Atmel Corp	P031228QRG/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
798	097132584	TW	Capacitive Sensor with Additional Electrode	Aug 26, 2008	Atmel Corp	P031403QRG/TW
799	1020090218416	DE	Method and Apparatus for Operating a Key for Sensing the Presence of a Body	May 19, 2009	Atmel Corp	P0323222QRG/DE
800	98116594	TW	Method and Apparatus for Operating a Key for Sensing the Presence of a Body	May 19, 2009	Atmel Corp	P0323222QRG/TW
801	12/466,192	US	Capacitive sensing with low-frequency noise reduction	May 14, 2009	Atmel Corp	P0323222QRG/US
802	13/769,743	US	Capacitive Sensing with High-Frequency Noise Suppression	Feb 18, 2013	Atmel Corp	P032323QRG/COA/US
803	1020090218440	DE	Capacitive Sensing with High-Frequency Noise Suppression	May 19, 2009	Atmel Corp	P032323QRG/DE
804	98116590	TW	Capacitive Sensing with High-Frequency Noise Suppression	May 19, 2009	Atmel Corp	P032323QRG/TW
805	102009017418.4	DE	Capacitive Touch Screen with Noise Suppression	Apr 14, 2009	Atmel Corp	P033330QRG/DE
806	098112108	TW	Capacitive Touch Screen with Noise Suppression	Apr 10, 2009	Atmel Corp	P033330QRG/TW
807	12/421,705	US	Capacitive Touch Screen with Noise Suppression	Apr 10, 2009	Atmel Corp	P033330QRG/US
808	10 2009 019 910.1	DE	Gesture Recognition	May 4, 2009	Atmel Corp	P033523QRG/DE
809	11 2009 002 578.1	DE	Multi-Touch Tracking	Oct 21, 2009	Atmel Corp	P035170QRG/DE
810	12/255,620	US	Multi-Touch Tracking	Oct 21, 2008	Atmel Corp	P035170QRG/US
811	11 2009 002 576.5	DE	Touch Position Finding Method and Apparatus	Oct 21, 2009	Atmel Corp	P035209QRG/DE

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
812	12/255,616	US	Touch Position Finding Method and Apparatus	Oct 21, 2008	Atmel Corp	P035209QRG/US
813	200980146273.4	CN	Sensor and Method of Sensing	Oct 22, 2009	Atmel Corp	P035211QRG/CN
814	11 2009 002 585.4	DE	Sensor and Method of Sensing	Oct 22, 2009	Atmel Corp	P035211QRG/DE
815	98135842	TW	Sensor and Method of Sensing	Oct 22, 2009	Atmel Corp	P035211QRG/TW
816	11 2009 002 587.0	DE	Noise Handling in Capacitive Touch Sensors	Oct 21, 2009	Atmel Corp	P035213QRG/DE
817	98135833	TW	Noise Handling in Capacitive Touch Sensors	Oct 22, 2009	Atmel Corp	P035213QRG/TW
818	200980139696.3	CN	Capacitive Matrix Touch Sensor	Oct 2, 2009	Atmel Corp	P035445QRG/CN
819	11 2009 002 394.0	DE	Capacitive Matrix Touch Sensor	Oct 2, 2009	Atmel Corp	P035445QRG/DE
820	98133622	TW	Capacitive Matrix Touch Sensor	Oct 2, 2009	Atmel Corp	P035445QRG/TW
821	12/572,944	US	Capacitive Matrix Touch Sensor	Oct 2, 2009	Atmel Corp	P035445QRG/US
822	13/537,986	US	Capacitive Sensing	Jun 29, 2012	Atmel Corp	P035809QRG/COA/ US
823	200980145532.1	CN	Touch Screen Sensor	Nov 13, 2009	Atmel Corp	P035841QRG/CN
824	11 2009 003 562.0	DE	Touch Screen Sensor	Nov 13, 2009	Atmel Corp	P035841QRG/DE
825	98138457	TW	Touch Screen Sensor	Nov 12, 2009	Atmel Corp	P035841QRG/TW
826	12/421,696	US	Touch Screen Sensor	Apr 10, 2009	Atmel Corp	P035841QRG/US

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
827	10 2009 017 419.2	DE	Capacitive Position Sensor	Apr 14, 2009	Atmel Corp	P036296QRG/DE
828	098112098	TW	Capacitive Position Sensor	Apr 10, 2009	Atmel Corp	P036296QRG/TW
829	12/421,713	US	Capacitive Position Sensor	Apr 10, 2009	Atmel Corp	P036296QRG/US
830	12/605,068	US	Driving Electrodes with Different Phase Signals	Oct 23, 2009	Atmel Corp	P036298QRG/US
831	201010275716.4	CN	Capacitive Control Panel	Sep 3, 2010	Atmel Corp	P036300QRG/CN
832	102010040164.1	DE	Capacitive Control Panel	Sep 2, 2010	Atmel Corp	P036300QRG/DE
833	99129310	TW	Capacitive Control Panel	Aug 31, 2010	Atmel Corp	P036300QRG/TW
834	12/554,552	US	Capacitive Control Panel	Sep 4, 2009	Atmel Corp	P036300QRG/US
835	12/838,181	US	Enhanced Conductors	Jul 16, 2010	Atmel Corp	P036301QRG/US
836	201010215300.3	CN	Apparatus Using A Differential Analog-to- Digital Converter	Jun 25, 2010	Atmel Corp	P036302QRG/CN
837	13/593,982	US	Apparatus Using a Differential Analog-to- Digital Converter	Aug 24, 2012	Atmel Corp	P036302QRG/COA/ US
838	1020100303747	DE	Apparatus Using A Differential Analog-to- Digital Converter	Jun 23, 2010	Atmel Corp	P036302QRG/DE
839	99120629	TW	Apparatus Using A Differential Analog-to- Digital Converter	Jun 24, 2010	Atmel Corp	P036302QRG/TW
840	13/038,960	US	Executing program to protected memory in transponder using wireless base station	Mar 2, 2011	Atmel Corp	P303665/US/2
841	10334990.1-31	DE	Funkuhr	Jul 31, 2003	Atmel Corp; C- MAX	P801508/DE/1

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
					Time Solutions GmbH	
842	8727609.3	EP	System and Method for Controlling a Multi-String Light Emitting Diode Backlighting System for an Electronic Display	Jan 11, 2008	Atmel Corp	SILIP105/EP
843	112009001581.6	DE	Methods and Circuits for Self-Calibrating Controller	Jun 24, 2009	Atmel Corp	SILIP107/DE
844	13/426,301	US	Apparatus and Technique for Modular Electronic Display Control	Mar 21, 2012	Atmel Corp	SILIP109/COA/US
845	8852075.4	EP	Apparatus and Technique for Modular Electronic Display Control	Nov 19, 2008	Atmel Corp	SILIP109/EP
846	11/942,239	US	Apparatus and Technique for Modular Electronic Display Control	Nov 19, 2007	Atmel Corp	SILIP109/US
847	09704921.7	EP	System and Method for Backlight Control for an Electronic Display	Jan 22, 2009	Atmel Corp	SILIP110/EP
848	200980120966.6	CN	Methods and Circulation for Triode Region Detection	Jun 26, 2009	Atmel Corp	SILIP111/CN
849	11 2009 001 049.0	DE	Methods and Circulation for Triode Region Detection	Jun 26, 2009	Atmel Corp	SILIP111/DE
850	112010004243.8	DE	Mixed Signal Circuit and Method of Operation Thereof	Nov 1, 2010	Atmel Corp	SILIP115/DE
851	12/610,941	US	Apparatus for integrated backlight and dynamic gamma/VCOM control on silicon chips	Nov 2, 2009	Atmel Corp	SILIP115/US
852	10 2011 003 867.1	DE	Apparatus, Circuit and Method for Automatic Phase-Shifting Pulse Width Modulated Signal Generation	Feb 9, 2011	Atmel Corp	SILIP116/DE

	App'n No.	City	Title	Filed	Owner(s)	Atmel Ref.
853	102011088877.2	DE	Regulation of Gamma Characteristic in a Display	Dec 16, 2011	Atmel Corp	SILIP120/DE
854	12/972,380	US	Regulation of Gamma Characteristic in a Display	Dec 17, 2010	Atmel Corp	SI LI P120/US
855	102012201205.2	DE	Quality Assurance of a Solid-State Illumination Source	Jan 27, 2012	Atmel Corp	SILIP121/DE
856	12/938,996	US	Apparatus and method for bit lines discharging and sensing	Nov 3, 2010	Atmel Corp	
857	12/986,124	US	Data processing module providing uniform power consumption for digital logic	Jan 6, 2011	Atmel Corp	

SCHEDULE 1B
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PATENTS AND PATENT APPLICATIONS

	App. No.	Country	Title	Filed	Expiration (estimated)	Owner(s)	Atmel Ref.
1.	14/099,574	US	Voltage Reference with Low Sensitivity to Package Shift	Dec 6, 2013	Dec 6, 2033	Atmel corp.	13106MEM/US
2.	14/101,014	US	Integrated Shielding In Touch Sensors	Dec 9, 2013	Dec 9, 2033	Atmel corp.	13112QORG/US
3.	14/100,225	US	System Bus Transaction Queue Reallocation	Dec 9, 2013	Dec 9, 2033	Atmel corp.	13133MCU/US
4.	14/102,222	US	Hybrid Capacitive Touch System Design	Dec 10, 2013	Dec 10, 2033	Atmel corp.	13120QORG/US
5.	14/102,259	US	Smart Watch with Adaptive Touch Screen	Dec 10, 2013	Dec 10, 2033	Atmel corp.	13130FLM/US
6.	102013225826.7	DE	Uniform-Density Coplanar Touch Sensor	Dec 13, 2013	Dec 13, 2033	Atmel corp.	12047FLM/DE
7.	14/135,329	US	Touch Sensor with Plastic Lens Cover	Dec 18, 2013	Dec 18, 2033	Atmel corp.	13137FLM/US
8.	10 2013 226 958.7	DE	Touch Sensor with Integrated Antenna	Dec 20, 2013	Dec 20, 2033	Atmel corp.	11091FLM/DE
9.	14/137,387	US	Circuit and Method for Operating a Circuit of a Node of a Radio Network	Dec 20, 2013	Dec 20, 2033	Atmel corp.	P000431/US/3
10.	10 2013 227 090.9	DE	Method to account for changes in measurement signal due to deformation of the touch panel.	Dec 23, 2013	Dec 23, 2033	Atmel corp.	11067QORG/DE
11.	102013227227.8	DE	Detecting Presence of an Object in the Vicinity of a Touch Interface of a Device	Dec 30, 2013	Dec 30, 2033	Atmel corp.	11068QORG/DE
12.	102013227191.3	DE	Touch Sensor Scanning for Display-Embedded Touch Sensors	Dec 30, 2013	Dec 30, 2033	Atmel corp.	12029QORG/DE
13.	102013227223.5	DE	Complex Adhesive Boundaries for Touch Sensors	Dec 30, 2013	Dec 30, 2033	Atmel corp.	12087FLM/DE
14.	102013227225.1	DE	Current-Based Charge Compensation in a Touch	Dec 30, 2013	Dec 30, 2033	Atmel corp.	12091MCU/DE

	App. No.	Country	Title	Filed	Expiration (estimated)	Inventor(s)	Serial No.
			Sensor				
15.	14/143,657	US	Circuit, Use, and Method for Controlling a Receiver Circuit	Dec 30, 2013	Dec 30, 2033	Atmel corp.	P000343/US/3
16.	14/144,714	US	Energy-efficient mobile buildings	Dec 30, 2013	Dec 30, 2033	Atmel corp.	P025530QRG/COA/US
17.	14/145,604	US	Measuring Voltage	Dec 31, 2013	Dec 31, 2033	Atmel corp.	11004QRG/COA/US
18.	14/145,139	US	Method, Transponder, and Circuit for Selecting One or More	Dec 31, 2013	Dec 31, 2033	Atmel corp.	P000048/US/3
19.	102014200008.4	DE	Circuitry for current regulated, externally controlled LED driving	Jan 3, 2014	Jan 3, 2034	Atmel corp.	1212IRFA/DE
20.	102014200112.9	DE	Selecting Memory Cells	Jan 8, 2014	Jan 8, 2034	Atmel corp.	12035MEM/DE
21.	103100850	TW	Touch Sensor with Edge-Balanced Macro-Feature Design	Jan 9, 2014	Jan 9, 2034	Atmel corp.	12148FLM/TW
22.	103101025	TW	Touch Sensing Having Increased Immunity to the Presence of a Fluid Layer	Jan 10, 2014	Jan 10, 2034	Atmel corp.	1301BQRG/TW
23.	14/153,295	US	Circuit and Method for Image Frequency Rejection	Jan 13, 2014	Jan 13, 2034	Atmel corp.	P000347/US/3
24.	14/153,821	US	Noise Measurement in Capacitive Touch Sensors	Jan 13, 2014	Jan 13, 2034	Atmel corp.	P035213QRG/COC/US
25.	201410015463.5	CN	Touch Sensor with Edge-Balanced Macro-Feature Design	Jan 14, 2014	Jan 14, 2034	Atmel corp.	12148FLM/CN
26.	201410017399.4	CN	Touch Sensing Having Increased Immunity to the Presence of a Fluid Layer	Jan 15, 2014	Jan 15, 2034	Atmel corp.	13018QRG/CN
27.	103101872	TW	Touch Sensor with Cover Lens	Jan 17, 2014	Jan 17, 2034	Atmel corp.	12128FLM/TW
28.	14/158,241	US	Method and Apparatus for Iterative Synchronization of Two or More Electronic Devices	Jan 17, 2014	Jan 17, 2034	Atmel corp.	OZ1010/COA/US
29.	14/158,528	US	Method for Data Communication Between a Base Station and a Transponder	Jan 17, 2014	Jan 17, 2034	Atmel corp.	P801148/US/2

	App. No.	Country	Title	Filed	Examination Finality	Priority	Serial Ref.
30.	201410025166.9	CN	Touch Sensor with Cover Lens and System Thereof	Jan 20, 2014	Jan 20, 2034	Atmel corp.	12128FLM/CN
31.	14/159,981	US	Line Spacing in Mesh Designs for Touch Sensors	Jan 21, 2014	Jan 21, 2034	Atmel corp.	13150FLM/US
32.	102014201469.7	DE	Integrated Circuit for Remote Keyless Entry System	Jan 28, 2014	Jan 28, 2034	Atmel corp.	12134RFA/DE
33.	14/236,252	US	Sense Amplifier	Jan 30, 2014	Jan 30, 2034	Atmel corp.	130550TH/US
34.	102014201 852.8	DE	Touch Sensor with Capacitive Voltage Driver	Feb 3, 2014	Feb 3, 2034	Atmel corp.	12099QRG/DE
35.	14/171,219	US	Method for Locating a Backscatter-Based Transponder	Feb 3, 2014	Feb 3, 2034	Atmel corp.	P000110/US/3
36.	14/170,939	US	System, Method and Switch for Distance Measurement Between Two Nodes of a Radio	Feb 3, 2014	Feb 3, 2034	Atmel corp.	P000421/US/3
37.	14/176,619	US	Touch Screen Element	Feb 10, 2014	Feb 10, 2034	Atmel corp.	P026100QRG/COB/US
38.	201420250 7.9	DE	Touch Sensor with Cover Lens	Feb 12, 2014	Feb 12, 2034	Atmel Corp.	12128FLM/DE
39.	14/183,918	US	Line Spacing in Mesh Designs for Touch Sensors	Feb 19, 2014	Feb 19, 2034	Atmel Corp.	14005FLM/US
40.	14/183,876	US	Line Spacing in Mesh Designs for Touch Sensors	Feb 19, 2014	Feb 19, 2034	Atmel Corp.	14006FLM/US
41.	102014203197.4	DE	Touch Sensing Having Increased Immunity to the Presence of a Fluid Layer	Feb 24, 2014	Feb 24, 2034	Atmel Corp.	13018QRG/DE
42.	14/187,684	US	Touch Finding Method and Apparatus	1 Feb 24, 2014	Feb 24, 2034	Atmel Corp.	P034054QRG/COA/US
43.	102014203300. 4	DE	1 Touch Sensor with Edge-Balanced Macro-Feature Design	Feb 25, 2014	Feb 25, 2034	Atmel Corp.	12148FLM/DE
44.	14/194,359	US	Channel Tracking in an Orthogonal Frequency- Division Multiplexing System	Feb 28, 2014	Feb 28, 2034	Atmel Corp.	OZ1510/COA/US
45.	14/196,958	US	Common-Mode Hover Detection	Mar 4, 2014	Mar 4, 2034	Atmel Corp.	13059QRG/US
46.	14/201,599	US	Variable-Pitch Tracking for Touch Sensors	Mar 7, 2014	Mar 7, 2034	Atmel Corp.	14011FLM/US
47.	14/204,949	US	Low-birefringence substrate for touch sensor	Mar 11, 2014	Mar 11, 2034	Atmel Corp.	13146FLM/US
48.	102014204713.7	DE	Generating Keys Using Secure Hardware	Mar 13, 2014	Mar 13, 2034	Atmel Corp.	12105APG/DE

	App. No.	Country	Title	Filed	Expiration (estimated)	Inventor(s)	Serial Ref.
49.	10 2014 207 005.8	DE	Touch Sensor with High-Density Macro-Feature Design	Apr 11, 2014	Apr 11, 2034	Atmel Corp.	12149FLM/DE
50.	TBD	TW	Touch Sensor with High-Density Macro-Feature Design	Apr 14, 2014	Apr 14, 2034	Atmel Corp.	12149FLM/TW
51.	TBD	CN	Touch Sensor with High-Density Macro-Feature Design	Apr 15, 2014	Apr 15, 2034	Atmel Corp.	12149FLM/CN
52.	102014207304.9	DE	Carrier Compensation Reader	Apr 16, 2014	Apr 16, 2034	Atmel Corp.	13006RFA/DE
53.	14/254,979	US	Integrated Touch Screen	Apr 17, 2014	Apr 17, 2034	Atmel Corp.	11121FLM/COA/US
54.	14/256,176	US	Touch System with Code Hopping Algorithms and Code Division Multiplexing	Apr 18, 2014	Apr 18, 2034	Atmel Corp.	13116QRG/US
55.	14/257,473	US	Receiver and Method for the Reception of a Node by a Receiver in a Wireless Network	Apr 21, 2014	Apr 21, 2034	Atmel Corp.	P000438/US/3
56.	14/257,376	US	Multiple Electrode Touch Sensitive Device	Apr 21, 2014	Apr 21, 2034	Atmel Corp.	P036075QRG/COB/US
57.	14/268,693	US	Detecting Presence of an Object in the Vicinity of a Touch Interface of a Device	May 2, 2014	May 2, 2034	Atmel Corp.	11068QRG/COA/US
58.	14/270,189	US	Implementing a Virtual Controller Outside an Area of a Touch Sensor	May 5, 2014	May 5, 2034	Atmel Corp.	13154QRG/US
59.	14/272,648	US	Charge Measurement	May 8, 2014	May 8, 2034	Atmel Corp.	12021MCU/COA/US
60.	14/272,882	US	Active Stylus with Force Sensor	May a, 2014	May 8, 2034	Atmel Corp.	14018QRG/US
61.	14/275,462	US	Timing Synchronization of Active Stylus and Touch Sensor	May 12, 2014	May 12, 2034	Atmel Corp.	14007QRG/US

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	Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
1	14/283,428	US	Touch-Sensor-Controller Sensor Hub	May 21, 2014	May 21, 2034	12056QRG/COA/US
2	14/278,864	US	Capacitive Control Panel	May 22, 2014	May 22, 2034	P036300QRG/COA/US
3	201410227910.3	CN	Edgeless Single-Layer Touch Sensor	May 27, 2014	May 27, 2034	12109QRG/CN
4	102014210210.3	DE	Edgeless Single-Layer Touch Sensor	May 28, 2014	May 28, 2034	12109QRG/DE
5	103118873	TW	Edgeless Single-Layer Touch Sensor	May 29, 2014	May 29, 2034	12109QRG/TW
6	102014210267.7	DE	Multi-State Capacitive Button	May 28, 2014	May 28, 2034	12127QRG/DE
7	102014210286.3	DE	Combining mechanical and capacitive features in the same matrix keyboard	May 30, 2014	May 30, 2034	12126QRG/DE
8	103119428	TW	Mesh Design for Touch Sensors	June 4, 2014	June 4, 2034	13054FLM/TW
9	201410244862.9	CN	Mesh Design for Touch Sensors	June 4, 2014	June 4, 2034	13054FLM/CN
10	102014210581.1	DE	Mesh Design for Touch Sensors	June 4, 2014	June 4, 2034	13054FLM/DE
11	14/299,716	US	Charge compensation during touch sensing	June 9, 2014	June 9, 2034	13152QRG/US

	Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
12	14/299,032	US	Proximity Sensor	June 9, 2014	June 9, 2034	P031213QRG/COB/US
13	14/300,995	US	Line Spacing in Mesh Designs for Touch Sensors	June 10, 2014	June 10, 2034	14032FLM/US
14	201410257760.0	CN	Method of Compensating for Retransmission Effects in a Touch Sensor	June 11, 2014	June 11, 2034	12157QRG/CN
15	102014211118.8	DE	Method of Compensating for Retransmission Effects in a Touch Sensor	June 11, 2014	June 11, 2034	12157QRG/DE
16	102014211244.3	DE	Method for Changing the Detection Range of a Touch Sensor	June 12, 2014	June 12, 2034	12138QRG/DE
17	102014211245.1	DE	A System for Debugging DMA System Data Transfer	June 12, 2014	June 12, 2034	13033MCU/DE
18	14/305,683	US	Current Mirror Self-Capacitance Measurement	June 16, 2014	June 16, 2034	12010QRG/COA/US
19	14/305,221	US	Circuit, System an Method for Communication Between Two Nodes of a Radio Network	June 16, 2014	June 16, 2034	P000420/US/4
20	102014211520.5	DE	Breaking Program Execution on Events	June 17, 2014	June 17, 2034	13031MCU/DE
21	102014211521.3	DE	Tracing Events in an Autonomous Event System	June 17, 2014	June 17, 2034	13032MCU/DE
22	103121440	TW	Method of Compensating for Retransmission Effects in a Touch Sensor	June 20, 2014	June 19, 2034	12157QRG/TW

	Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
23	102014211872.7	DE	Capacitive Touch Sensor Control Unit with Automatic Gain Control	June 20, 2014	June 20, 2034	12114QRG/DE
24	14/310,864	US	Single layer capacitive position sensor	June 20, 2014	June 20, 2034	13142QRG/US
25	102014212094.2	DE	Pseudo Driven Shield	June 24, 2014	June 24, 2034	12135QRG/DE
26	102014212207.4	DE	Fast Scanning for Mutual Capacitance Screens	June 25, 2014	June 25, 2034	12137QRG/DE
27	102014212355.0	DE	Common Mode Noise Suppression During Hovering and Proximity Detection	June 26, 2014	June 26, 2034	12136QRG/DE
28	102014212250.3	DE	Shieldless Touch Sensor Noise Cancellation	June 26, 2014	June 26, 2034	12141QRG/DE
29	14/316,625	US	Power Trace Port for Tracing States of Power Domains	June 26, 2014	June 26, 2034	14027MCU/US
30	14/319,022	US	Circuit, Use, and Method for Operating a Circuit	June 30, 2014	June 30, 2034	P000405/US/3
31	102014212671.1	DE	Direct Memory Access Controller	July 1, 2014	July 1, 2034	13075MCU/DE
32	14/324,726	US	ADC Sequencing	July 7, 2014	July 7, 2034	12071MCU/COA/US
33	201410332340.4	CN	On-cell Single-Layer Touch Sensor	July 11, 2014	July 11, 2034	13017QRG/CN
34	14/328,938	US	Non-Volatile Floating Gate Memory Cells	July 11, 2014	July 11, 2034	14025OTH/US
35	103125394	TW	On-cell Single-Layer Touch Sensor	July 24, 2014	July 23, 2034	13017QRG/TW

	Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
36	102014214466.3	DE	On-cell Single-Layer Touch Sensor	July 24, 2014	July 24, 2034	13017QRG/DE
37	102014214801.4	DE	Measuring Power Consumption of Circuit Component Operating in Ultra-Low Power Mode	July 28, 2014	July 28, 2034	13035MCU/DE
38	10 2014 214 880.4	DE	Measuring Power Consumption of Circuit Component Operating in Run Mode	July 29, 2014	July 29, 2034	13036MCU/DE
39	10 2014 214 937.1	DE	Position Detection of an Object Within Proximity of a Touch Sensor	July 30, 2014	July 30, 2034	13034QRG/DE
40	14/448,472	US	Capacitive Touch-Screen Panel with Multiple Sense Units and Related Methods	July 31, 2014	July 31, 2034	09047QRG/COA/US
41	14/448,698	US	Selective Scan of Touch-Sensitive Area for Passive or Active Touch or Proximity Input	July 31, 2014	July 31, 2034	11000QRG-21/COA/US
42	102014215067.1	DE	Dynamic Clustering of Touch Sensor Electrodes	July 31, 2014	July 31, 2034	12140QRG/DE
43	14/456,960	US	Fabricated electrical circuit on touch sensor substrate	Aug. 11, 2014	Aug. 11, 2034	14022FLM/US
44	102014216167.3	DE	Multi-Protocol Serial Communication Interface	Aug. 14, 2014	Aug. 14, 2034	13047MCU/DE
45	14/459,610	US	Capacitive Position Sensor	Aug. 14, 2014	Aug. 14, 2034	P036296QRG/COA/US
46	14/461,956	US	Low-Power And Low-Frequency Data Transmission For Stylus	Aug. 18, 2014	Aug. 18, 2034	14016QRG/US

	Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
47	14/462,367	US	Instrumenting Switch Mode Power Supply to Measure Circuit Power Consumption	Aug. 18, 2014	Aug. 18, 2034	14031MCU/US
48	10 2014 216 860.0	DE	Synchronization of Active Stylus and Touch Sensor	Aug. 25, 2014	Aug. 25, 2034	13025QRG/DE
49	14/469,918	US	Mesh designs for touch sensors	Aug. 27, 2014	Aug. 27, 2034	14064FLM/01/US
50	102014217282.9	DE	Chained Differential Sensing for Touch Sensors	Aug. 29, 2014	Aug. 29, 2034	13072QRG/DE
51	8848730	US	Method and apparatus for scanning and device detection in a communication system	Aug. 29, 2014	Aug. 29, 2034	OZ1310/COA/US
52		CN	Generic Randomized Mesh Design	Sep. 4, 2014	Sep. 4, 2034	13074FLM/CN
53		CN	Randomized Mesh Design	Sep. 4, 2014	Sep. 4, 2034	13078FLM/CN
54	10 2014 217 753.7	DE	Clock Generator Circuit with Automatic Sleep Mode	Sep. 4, 2014	Sep. 4, 2034	13093MCU/DE
55	1020142178754	DE	Generic Randomized Mesh Design	Sep. 8, 2014	Sep. 8, 2034	13074FLM/DE
56	103131045	TW	Generic Randomized Mesh Design	Sep. 9, 2014	Sep. 9, 2034	13074FLM/TW
57	103131044	TW	Randomized Mesh Design	Sep. 9, 2014	Sep. 9, 2034	13078FLM/TW
58	14/479,972	US	Optimized Multi-Precision Division	Sep. 8, 2014	Sep. 8, 2034	13156APG/US
59	102014217980.7	DE	Randomized Mesh Design	Sep. 9, 2014	Sep. 9, 2034	13078FLM/DE
60	14/486,419	US	Fault detection	Sep. 15, 2014	Sep. 15, 2034	14013MCU/US

	Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
61	102014218845.8	DE	Mesh Design for Touch Sensors	Sep. 19, 2014	Sep. 19, 2034	13104FLM/DE
62	14/492,630	US	Two-Dimensional Touch Screen	Sep. 22, 2014	Sep. 22, 2034	P030491QRG/COA/US
63	102014219905.0	DE	Configuring Power Domains of a Microcontroller System	Oct. 1, 2014	Oct. 1, 2034	13094MCU/DE
64	102014219903.4	DE	Gate Control Circuit for MOS Switch	Oct. 1, 2014	Oct. 1, 2034	13111RFA/DE
65	14/505,003	US	Initiating Multiple Data Transactions on a System Bus	Oct. 2, 2014	Oct. 2, 2034	14024MCU/US
66	14/505,610	US	Microcontroller with Integrated Interface Enabling Reading Data Randomly from Serial Flash Memory	Oct. 3, 2014	Oct. 3, 2034	12084MCU/COA/US
67	14/509,525	US	Integrated Touch Screen	Oct. 8, 2014	Oct. 8, 2034	11121FLM/COB/US
68	102014220426.7	DE	Touch-Sensor Electrode Details	Oct. 8, 2014	Oct. 8, 2034	13042QRG/DE
69	14/510,220	US	Touch Sensor with Capacitive Nodes Having a Capacitance that is Approximately the Same	Oct. 9, 2014	Oct. 9, 2034	11052QRG/COA/US
70	14/510,529	US	Direct Memory Access Controller	Oct. 9, 2014	Oct. 9, 2034	13075MCU/COA/US
71	14/511,796	US	Passive Transponder with a Charging Circuit	Oct. 10, 2014	Oct. 10, 2034	P000448/US/3
72	14/516,845	US	Active Stylus with High Voltage	Oct. 17, 2014	Oct. 17, 2034	11000QRG-34/COA/US
73	14/519,281	US	Method and Apparatus For Coordinating A Wireless Pan Network and A Wireless LAN Network	Oct. 21, 2014	Oct. 21, 2034	OZ0711/COA/US

	Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
74	14/525,114	US	Optimum Mesh angle and Pitch combinations for Metal Mesh Sensors	Oct. 27, 2014	Oct. 27, 2034	14064FLM/02/US

**SCHEDULE 2
TO
TERMINATION AND RELEASE OF SECURITY INTEREST IN
PATENT COLLATERAL**

PATENTS AND DESIGN PATENTS

	Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
1	14/526,773	US	Event Driven Conversion	Oct 29, 2014	10/29/2034	14047MCU/US
2	14/528,249	US	Touch Sensor	Oct 30, 2014	10/30/2034	14057MCU/US
3	14/530,518	US	Controlling Power States of a Device	Oct 31, 2014	10/31/2034	14066MCU/US
4	14/529,973	US	Adaptive Acknowledgment Transmissions	Oct 31, 2014	10/31/2034	14071MCU/US
5	14/530,622	US	System Internal Latencies Measurements in Real-Time Applications	Oct 31, 2014	10/31/2034	14073MCU/US
6	14/532,818	US	Data Transfer	Nov 4, 2014	11/4/2034	14054MCU/US
7	14/532,209	US	Configurable Clear Channel Assessment	Nov 4, 2014	11/4/2034	14070MCU/US
8	14/538,305	US	Peripheral Register Parameter Refreshing	Nov 11, 2014	11/11/2034	14051MCU/US

	Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
9	14/540,319	US	Charge Measurement	Nov 13, 2014	11/13/2034	12021MCU/COB/US
10	14/546,564	US	Single Wire System Clock Signal Generation	Nov 18, 2014	11/18/2034	14019APG/US
11	14/550,491	US	Multi-Protocol Frame Filter (MPFF)	Nov 21, 2014	11/21/2034	14068MCU/US
12	14/560,713	US	Sign Detection in Multi-Dimensional Signal Measurements	Dec 4, 2014	12/4/2034	14106RFA/US
13	14/589,767	US	Pulse Width Modulation Controller Architectures	Jan 5, 2015	1/5/2035	11105MCU/COA/US
14	14/593,349	US	Pulse-Or Frame-Based Communication Using Active Stylus	Jan 9, 2015	1/9/2035	11000QRG-35/COA/US
15	62/103,500	US	Stylus Detection and Scan	Jan 14, 2015	1/14/2035	14112QRG/PRV/US

	Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
16	14/605,135	US	Single-Wire Communication System Using Predictive Host Sampling Window	Jan 26, 2015	1/26/2035	14085APG/US
17	14/607,456	US	Single Wire System with Baud Learning Feature	Jan 28, 2015	1/28/2035	14089APG/US
18	14/612,042	US	Configuring Serial Devices	Feb 2, 2015	2/2/2035	14094MEM/US
19	14/621,144	US	Managing Single-Wire Communications	Feb 12, 2015	2/12/2035	14080APG/US
20	14/621,092	US	Adaptive Speed Single-Wire Communications	Feb 12, 2015	2/12/2035	14081APG/US
21	14/642,128	US	Mesh Adaptive Transmitter Voltage in an Active Stylus	Mar 9, 2015	3/9/2035	14095QRG/US
22	14/659,074	US	Microcontroller Peripheral Data Transfer Redirection for Resource Sharing	Mar 16, 2015	3/16/2035	11100MCU/COA/US

PATENT LICENSES

1. Patent License Agreement, dated as of April 16, 2015, between Atmel Corporation and Uni-Pixel Displays, Inc.

**SCHEDULE 3
TO
TERMINATION AND RELEASE OF SECURITY INTEREST IN
PATENT COLLATERAL**

PATENTS AND DESIGN PATENTS

Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
14/677,817	US	Peripheral Interface Circuit for Serial Memory	2-Apr-2015	2-Apr-2035	14116MCU/US
10 2015 206 311.9	DE	Touch System with Code Hopping Algorithms and Code Division Multiplexing	9-Apr-2015	9-Apr-2035	13116QRG/DE
14/687,691	US	Low-Power and Low-Frequency Data Transmission for Stylus	15-Apr-2015	15-Apr-2035	14118QRG/CIA/US
201510180852.8	CN	Touch System with Code Hopping Algorithms and Code Division Multiplexing	16-Apr-2015	16-Apr-2035	13116QRG/CN
104112259	TW	Touch System with Code Hopping Algorithms and Code Division Multiplexing	16-Apr-2015	15-Apr-2035	13116QRG/TW
14/688,556	US	Method and Apparatus For Operating A Wireless PAN Network Using An Overlay Protocol That Enhances Co-Existence With A Wireless LAN Network	16-Apr-2015	14-Mar-2026	OZ0600/COA/US

Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
14/691,432	US	Voltage Reference with Low Sensitivity to Package Shift	20-Apr-2015	6-Dec-2033	13106MEM/COA/US
14/698,330	US	Secure Access in a Microcontroller System	28-Apr-2015	28-Apr-2035	14120MCU/US
102015208460.4	DE	Timing Synchronization of Active Stylus and Touch Sensor	7-May-2015	7-May-2035	14007QRG/DE
201510236470.2	CN	Timing Synchronization of Active Stylus and Touch Sensor	11-May-2015	11-May-2035	14007QRG/CN
104115092	TW	Timing Synchronization of Active Stylus and Touch Sensor	12-May-2015	11-May-2035	14007QRG/TW
14/709,755	US	Active Stylus with Fractional Clock-Cycle Timing	12-May-2015	12-May-2035	14101QRG/US
14/716,983	US	Microcontroller Input/Output Connector State Retention in Low-Power Modes	20-May-2015	7-Sep-2032	12061MCU/COA/US
14/731,548	US	Method and Apparatus for Virtualizing Hardware Dongle Over a Wireless Connection	5-Jun-2015	24-Jun-2031	OZ1910/COB/US
102015210495.8	DE	Charge Compensation During Touch Sensing	9-Jun-2015	9-Jun-2035	13152QRG/DE

Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
201510341731.7	CN	Single layer capacitive position sensor	18-Jun-2015	18-Jun-2035	13142QRG/CN
104119872	TW	Single layer capacitive position sensor	18-Jun-2015	17-Jun-2035	13142QRG/TW
102015211352.3	DE	Single layer capacitive position sensor	19-Jun-2015	19-Jun-2035	13142QRG/DE
102015211561.5	DE	Power Trace Port for Tracing States of Power Domains	23-Jun-2015	23-Jun-2035	14027MCU/DE
201510358162.7	CN	Power Trace Port for Tracing States of Power Domains	25-Jun-2015	25-Jun-2035	14027MCU/CN
104120607	TW	Power Trace Port for Tracing States of Power Domains	25-Jun-2015	24-Jun-2035	14027MCU/TW
14/788,637	US	Stylus with Low-Power Detector	30-Jun-2015	30-Jun-2035	14102QRG/US
14/795,806	US	Programmable Logic Unit	9-Jul-2015	23-Nov-2031	11055MCU/COB/US
14/815,776	US	Frequency Control Data Synchronization	31-Jul-2015	31-Jul-2035	15008MCU/US

Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
62/199,929	US	Isolated Power Supply Domains in a Touch Display System	31-Jul-2015	31-Jul-2016	15063MCU/PRV/US
62/199,925	US	Measuring Capacitance in a Touch Display System	31-Jul-2015	31-Jul-2016	15064MCU/PRV/US
14/816,478	US	Memory System with Encoding	3-Aug-2015	3-Aug-2035	14122APG/US
14/826,443	US	Connecting Multiple Slave Devices to a Single Master	14-Aug-2015	28-Nov-2032	12090MCU/COA/US
14/832,049	US	Executing Gestures with Active Stylus	21-Aug-2015	13-Mar-2032	11000QRG-06/COA/US
14/835,418	US	Microcontroller Architecture with Access Stealing	25-Aug-2015	25-Aug-2035	15003MCU/US
14/836,637	US	Capacitive Touch Sensing With Lumped Sensors	26-Aug-2015	26-Aug-2035	15033MCU/US
14/838,690	US	Average Current Control for a Switched Power Converter	28-Aug-2015	11-Feb-2033	12142MCU/COA/US
102015217062.4	DE	Optimized Multi-Precision Division	7-Sep-2015	7-Sep-2035	13156APG/DE

Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
102015217280.5	DE	Fault Detection	10-Sep-2015	10-Sep-2035	14013MCU/DE
14/850,223	US	Capacitive Position Sensor	10-Sep-2015	10-Apr-2029	P036296QRG/COB/US
14/857,958	US	Selecting Memory Cells	18-Sep-2015	11-Jan-2033	12035MEM/COA/US
102015218250.9	DE	Initiating Multiple Data Transactions on a System Bus	23-Sep-2015	23-Sep-2035	14024MCU/DE
14/875,255	US	Current Regulator with Regulated Supply Voltage	5-Oct-2015	5-Oct-2035	13119MCU/US
14/876,176	US	Active Stylus with Surface- Modification Materials	6-Oct-2015	31-Jan-2032	11000QRG-08/COA/US
104133413	TW	Receiver and Method for the Reception of a Node by a Receiver in a Wireless Network	12-Oct-2015	12-Oct-2035	P000438/TW/2
14/882,170	US	Interleaved Scanning for Capacitive Touch Sensors	13-Oct-2015	13-Oct-2035	15039MCU/US
14/883,064	US	Executing Gestures with Active Stylus	14-Oct-2015	31-Jan-2032	11000QRG-11/COA/US

Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
14/885,061	US	Capacitive Measurement Circuit for a Touch Sensor Device	16-Oct-2015	2-Dec-2033	13108QRG/COA/US
14/919,889	US	Charge Measurement	22-Oct-2015	2-Nov-2032	12021MCU/COC/US
102015221036.7	DE	Touch Sensor	28-Oct-2015	28-Oct-2035	14057MCU/DE
102015221016.2	DE	Controlling Power States of a Device	28-Oct-2015	28-Oct-2035	14066MCU/DE
14/925,748	US	Communication Between Active Stylus and Touch Sensor	28-Oct-2015	28-Oct-2035	15010QRG/US
102015221229.7	DE	Adaptive Acknowledgment Transmissions	30-Oct-2015	30-Oct-2035	14071MCU/DE
14/928,437	US	Suspension of Touch Sensor Scan Based on an Expected Interference	30-Oct-2015	30-Oct-2035	15069QRG/US
14/930,480	US	Low to medium speed AC-coupled serial interface	2-Nov-2015	2-Nov-2035	15009ORG/US
102015221473.7	DE	Configurable Clear Channel Assessment	3-Nov-2015	3-Nov-2035	14070MCU/DE

Patent/App'n No.	C'try	Title	Filing Date	Expiration Date (Nominal)	Atmel Ref.
14/687,697	US	Device and method for controlling display	15-Apr-2015		

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