

# RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket Nos.: 3050.058US1, 3050.074US1, 3050.075US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

2. Name and address of receiving party(ies):

1. Name of conveying party(ies):

Name: Atmel Corporation

QRG Limited

Street Address: 2325 Orchard Parkway

Additional name(s) of conveying party(ies) attached?

City: San Jose State: CA Zip: 95131

[ ] Yes [X] No

Additional name(s) &amp; address(es) attached? [ ] Yes [X] No

3. Nature of conveyance:

[X] Assignment [ ] Merger

[ ] Security Agreement [ ] Change of Name

[ ] Other

Execution Date: February 3, 2009

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

29/276,533

D559,862  
D560,227

Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: 3Name: Bradley A. Forrest7. Total fee (37 CFR 3.41): \$ 120.00

Address:

[ ] Enclosed

[X] Authorized to be charged to deposit account  
19-0743Schwegman, Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402-0938

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Bradley A. Forrest/Reg. No. 30,837

Name of Person Signing



Signature

22 July 2009  
Date
Total number of pages including cover sheet: 20

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Mail Stop Assignment Recordation Services  
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700413547

PATENT  
REEL: 022990 FRAME: 0059

CH \$120.00 190743 29276533

DATED 3 February, 2009

- (1) QRG LIMITED
- (2) ATMEL CORPORATION

ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS

**LG**

THIS AGREEMENT is made on

2009

**BETWEEN:**

- (1) **QRG LIMITED**, a company incorporated and registered in England and Wales with company number 3540505 whose registered office is c/o Rothman Pantall & Co, 10 Romsey Road, Eastleigh, Hampshire, SO50 9AL ("QRG"); and
- (2) **ATMEL CORPORATION**, a company incorporated and registered in the state of Delaware, whose principal place of business is at 2325 Orchard Parkway, San Jose, California, 95131, United States of America ("Atmel Corp").

**RECITALS:**

- (A) QRG has created certain materials described in Schedule 2 ("Work").
- (B) QRG is the proprietor of the applications for, and registrations of, the intellectual property rights set out in Schedule 3 (together the "Registered IPRs").
- (C) Atmel Corp wishes to obtain the rights to further develop and improve the Intellectual Property Rights in the Work in connection with the research and development, design, reproduction, modification, manufacture, marketing and sale of the Work.
- (D) QRG has agreed to assign to Atmel Corp all Intellectual Property Rights in the Work and the Registered IPRs on the terms set out below.

**IT IS AGREED** as follows:

**1. INTERPRETATION**

**1.1** The definitions in this clause applies in this agreement.

"Business"	the development and supply of sensing solutions for touch screens and other touch controls carried on by QRG as at the Completion Date;
"Business Day"	a day (other than a Saturday, Sunday or public holiday) when banks in London are open for business;
"Completion Date"	the date of this agreement;
"Excluded Rights"	trade marks, service marks, trade, business and domain names, rights in trade dress or get-up, rights in goodwill or to sue for passing off, unfair competition rights in each case whether registered or unregistered, and all similar or equivalent rights or forms of protection in any part of the world;
"Intellectual Property Rights"	patents, rights to inventions, utility models, copyright and related rights, trade marks, service marks, trade, business and domain names, rights in trade dress or get-up, rights in goodwill or to sue for passing off, unfair competition rights, rights in designs, rights in computer software, database rights, topography rights, moral rights, rights in confidential information (including know-how and

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trade secrets) and any other intellectual property rights, in each case whether registered or unregistered and including all applications for and renewals or extensions of such rights, and all similar or equivalent rights or forms of protection in any part of the world;

"Market Value" the value of the Assets determined in accordance with the provisions of Schedule 1;

"Promissory Note" the promissory note for a principal amount equal to the Market Value to be issued by Atmel Corp in the agreed form; and

"Purchase Price" an amount expressed in pounds sterling which is equal to the Market Value.

- 1.2 Documents in agreed form are documents in the form agreed by the parties to this agreement and initialled by them or on their behalf for identification

## 2. ASSIGNMENT

- 2.1 Pursuant to and for the consideration set out in this agreement, QRG assigns to Atmel Corp the following rights (together referred to as the "Assets"):

2.1.1 all Intellectual Property Rights in the Work other than the Excluded Rights;

2.1.2 the Registered IPRs; and

2.1.3 the right to sue for damages and other remedies for any infringement of any of the rights assigned pursuant to this clause 2.1 which occurred prior to the date of this assignment.

## 3. PURCHASE PRICE

- 3.1 The consideration payable for the Assets by Atmel Corp shall be the Purchase Price.

- 3.2 The Purchase Price shall be satisfied by Atmel Corp issuing the Promissory Note to QRG within 5 Business Days of final determination of the Market Value in accordance with the provisions of Schedule 1.

## 4. PROCEEDINGS

QRG agrees and undertakes to provide to Atmel Corp (at its request) all reasonable assistance with any proceedings which may be brought by or against Atmel Corp against or by any third party relating to the rights assigned by this agreement.

## 5. WARRANTIES

QRG warrants that, save for any outstanding objections or oppositions in respect of pending applications for the Registered IPRs at the date of this agreement, it has full title to the Registered IPRs.

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**6. FURTHER ASSURANCE**

QRG shall at the cost and expense of Atmel Corp do or procure to be done all such further acts and things, and execute or procure the execution of all such other documents, as Atmel Corp may from time to time reasonably require in order to give Atmel Corp the full benefit of this agreement, whether in connection with any registration of title or other similar right or otherwise.

**7. WAIVER OF MORAL RIGHTS**

QRG shall provide to Atmel Corp written absolute waivers from all authors of the Work in relation to all moral rights which subsist in the Work by virtue of Chapter 4 of the Copyright, Designs and Patents Act 1988 and, so far as is legally possible, any broadly equivalent rights such authors may have in any territory of the world.

**8. GOVERNING LAW AND JURISDICTION**

8.1 This agreement is governed by and shall be construed in accordance with the laws of England and Wales.

8.2 Each party irrevocably agrees to submit to the exclusive jurisdiction of the courts of England over any claim or matter arising under or in connection with this agreement.

AS WITNESS the hands of the parties on the day and the year first stated above.

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**SCHEDULE 1 DETERMINATION OF MARKET VALUE**

1. The Purchase Price shall be the open market value of the Assets as at the Completion Date, to be determined in accordance with United States and United Kingdom income tax transfer pricing principles.
2. If the parties cannot agree such open market value (as described above) by 30 September 2009, the matter shall be determined by an independent accountant (acting as expert) to be appointed by the parties (or, in default of agreement as to who should be appointed, the accountant shall be appointed by the President for the time being of the Institute of Chartered Accountants).

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**SCHEDULE 2 THE WORK**

1. All materials created for the purpose of the Business by or on behalf of QRG including but not limited to:
  - 1.1 software (whether in source or object code); know how, trade secrets and/or confidential information;
  - 1.2 specifications for products whether already manufactured or in development;
  - 1.3 marketing materials;
  - 1.4 training manuals;
  - 1.5 websites (including images and text);
  - 1.6 prototypes;
  - 1.7 development kits;
  - 1.8 test equipment; and
  - 1.9 product data sheets.

**SCHEDULE 3 REGISTERED IPRS**  
**PART 1 - REGISTERED PATENTS**

<b>Jurisdiction</b>	<b>Description</b>	<b>Patent Number</b>
Finland - European	Capacitive Keyboard with Reduced Keying Ambiguity	1381160
France-European	Charge Transfer Capacitance Measurement Circuit	1131641
France-European	Capacitive Keyboard with Reduced Keying Ambiguity	1381160
Germany	Time Domain Capacitive Field Detector	19681725
Germany - European	Charge Transfer Capacitance Measurement Circuit	1131641
Germany - European	Capacitive Keyboard with Reduced Keying Ambiguity	1381160
Germany - Utility model	Charge Transfer Capacitance Measurement Circuit	299 24 441.5
Germany - Utility model	Capacitive Position Sensor	21 2004 000 044.9
Germany - Utility model	Touch-Sensitive Control Panel	20 2004 020 673.0
Germany - Utility model	Touch-Sensitive Control Panel	20 2004 020 820.2
Germany - Utility model	Touch-Sensitive Control Panel	20 2004 021 345.1
Germany - Utility model	Capacitive Sensor	20 2005 002 157.1
Germany - Utility model	Touch Sensitive Control Panel	20 2005 007 480.2
Germany - Utility model	Touch Sensitive Screen	202006014244.4
Germany - Utility model	Headset Power Management	202006014943

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Jurisdiction	Description	Patent Number
Germany - Utility model	Single-Layer Indium Tin Oxide Touch Screen	202006010488.7
Germany - Utility model	Keyboard with Reduced Keying Ambiguity	20 2006 019 926.8
Germany - Utility model	Touch Screen	20 2007 006 266.4
Germany - Utility model	Two-Dimensional Position Screen	202007007345.3
Germany - Utility model	Hybrid Capacitive Touch Screen Element	202007005237.5
Germany - Utility model	Touch Screen Element	20 2007 006 407.1
Germany - Utility model	Touch Sensitive User Interface	20 2007 007 456.5
Germany - Utility model	Touch-Screen Element and Method of Mounting Thereof	202007014487.9
Germany - Utility model	Tilting Touch Control Panel	202008001970.2
Great Britain	Time Domain Capacitive Field Detector	2337124
Great Britain	Rotary Capacitive Encoder	2418493
Great Britain	Touch Sensitive Screen	2435998
Great Britain	Headset and Headset Power Management	2431725
Great Britain	Single-Layer Indium Tin Oxide Touch Screen	2428306
Great Britain	Touch Screen Element	2437827
Great Britain	Removable Touchscreen Element	2443067
Great Britain	Two-Dimensional Position Screen	2439614

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Jurisdiction	Description	Patent Number
Great Britain - European	Charge Transfer Capacitance Measurement Circuit	1131641
Great Britain - European	Capacitive Keyboard with Reduced Keying Ambiguity	1381160
Italy - European	Charge Transfer Capacitance Measurement Circuit	1131641
Italy - European	Capacitive Keyboard with Reduced Keying Ambiguity	1381160
Spain	Touch Sensitive Control Panel	200501056
Taiwan	Charge Transfer Capacitive Position Sensor	1286602
United States of America	Time Domain Capacitive Field Detector	5,730,165
United States of America	Charge Transfer Capacitance Measurement Circuit	6,466,036
United States of America	Capacitive Keyboard with Reduced Keying Ambiguity	6,993,607
United States of America	Charge Transfer Capacitive Position Sensor	7,148,704
United States of America	Capacitive Sensor and Array	6,452,514
United States of America	Hammer Having Integral Stud and Mains Sensor	6,188,228
United States of America	Capacitively Coupled Identity Verification and Escort Memory	5,682,032
United States of America	Capacitive Position Sensor	6,288,707
United States of America	Capacitive Position Sensor	6,535,200
United States of America	Touch Sensitive Control Panel	7,295,190
United States of America	Rotary Sensor with Tactile Buttons	7,279,647

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## PART 2 - PATENT APPLICATIONS

Jurisdiction	Description	Application No.
China	Slider Charge Transfer Capacitive Position Sensor	2003380102390.3
China	Touch Sensitive Control Panel	200510072798.1
China	Headset Power Management	200610063936.4
China	Single-Layer Indium Tin Oxide Touch Screen	200610143149.0
China	Keyboard with Reduced Keying Ambiguity	200680052852.9
China	Two-Dimensional Position Screen	200710108809.6
China	Capacitive Position Sensor	PCT/IB2007/002774
China	Touch Sensitive User Interface	PCT/IB2007/002534
China	Tilting Touch Control Panel	200810210375.5
European	Slider Charge Transfer Capacitive Position Sensor	3809784.6
European	Capacitive Sensor and Array	904585.7
European	Anisotropic Touch Screen Element	4768019.4
European	Keyboard with Reduced Keying Ambiguity	6755581.3
Finland	Single-Layer Indium Tin Oxide Touch Screen	20060663.0
Germany	Time Domain Capacitive Field Detector	19655368.7
Germany	Touch Sensitive Screen	102006043665.2

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Jurisdiction	Description	Application No.
Germany	Headset Power Management	102006046113.4
Germany	Single-Layer Indium Tin Oxide Touch Screen	10 2006 031 376.3
Germany	Touch Screen	102007020592.0
Germany	Two-Dimensional Position Screen	10 2007 023 853.5
Germany	Touch Screen Element	10 2007 021 029.0
Germany	Touch Sensitive User Interface	10 2007 024 455.1
Germany	Capacitive Position Sensor	11 2007 001 486.5
Germany	Touch Sensitive User Interface	11 2007 001 643.4
Germany	Touch-Screen Element and Method of Mounting Thereof	102007049558.9
Germany	Capacitive Position Sensor	102007049559.7
Germany	Tilting Touch Control Panel	102008008921.4
Great Britain	Touch Screen	608605.2
Great Britain	Touch Sensitive Interface	709905.4
Great Britain	Capacitive Position Sensor	719727.0
Great Britain	Tilting Touch Control Panel	802334.3
Great Britain	Two-Dimensional Position Sensor	806001.4
Great Britain	Two Dimensional Position Sensor	714518.8

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Jurisdiction	Description	Application No.
Great Britain	Proximally Sensor	813682.2
Italy	Single-Layer Indium Tin Oxide Touch Screen	MI2006A001329
Japan	Charge Transfer Capacitance Measurement Circuit	2000-584316
Japan	Slider Charge Transfer Capacitive Position Sensor	2004-547798
Japan	Capacitive Sensor and Array	2000-595360
Japan	Anisotropic Touch Screen Element	2006-523671
Japan	Touch Sensitive Screen	2006-254554
Japan	Headset Power Management	2006-269534
Japan	Single-Layer Indium Tin Oxide Touch Screen	2006-187791
Japan	Keyboard with Reduced Keying Ambiguity	2008-546561
Japan	Touch Screen	2007-120508
Japan	Two-Dimensional Position Screen	2007-142786
Japan	Hybrid Capacitive Touch Screen Element	2007-115558
Japan	Touch Screen Element	2007-122803
Japan	Touch Sensitive User Interface	2007-138106
Japan	Touch-Screen Element and Method of Mounting Thereof	2007-272439
Japan	Capacitive Position Sensor	2007-273759

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Jurisdiction	Description	Application No.
Japan	Tilting Touch Control Panel	2008-030332
Korea, Republic of	Slider Charge Transfer Capacitive Position Sensor	10-2005-7007202
Korea, Republic of	Anisotropic Touch Screen Element	10-2006-7003559
Korea, Republic of	Keyboard with Reduced Keying Ambiguity	10-2008-7017780
Korea, Republic of	Capacitive Sensor	10-2005-0009985
Korea, Republic of	Touch Sensitive Screen	10-2006-0091022
Korea, Republic of	Headset Power Management	10-2006-0097156
Korea, Republic of	Single-Layer Indium Tin Oxide Touch Screen	10-2006-0063910
Korea, Republic of	Touch Screen	10-2007-0042550
Korea, Republic of	Two-Dimensional Position Screen	10-2007-0053232
Korea, Republic of	Hybrid Capacitive Touch Screen Element	10-2007-0040296
Korea, Republic of	Touch Screen Element	10-2007-0043513
Korea, Republic of	Touch Sensitive User Interface	10-2007-0050828
Korea, Republic of	Touch-Screen Element and Method of Mounting Thereof	10-2007-0105072
Korea, Republic of	Tilting Touch Control Panel	10-2008-0013052
Korea, Republic of	Capacitive Position Sensor	10-2009-7001051
Taiwan	Anisotropic Touch Screen Element	93124578.0

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Jurisdiction	Description	Application No.
Taiwan	Rotary Capacitive Encoder	93124721.0
Taiwan	Headset Power Management	95136467.0
Taiwan	Single-Layer Indium Tin Oxide Touch Screen	95124551.0
Taiwan	Keyboard with Reduced Keying Ambiguity	95123644.0
Taiwan	Two-Dimensional Position Screen	96118385.0
Taiwan	Touch Screen Element	96115411.0
Taiwan	Tilting Touch Control Panel	97105058.0
Taiwan	Two-Dimensional Position Sensor	97111886.0
Taiwan	Two-Dimensional Touch Screen	97126553.0
Taiwan	Two Dimensional Position Sensor	97128496.0
Taiwan	Two-Dimensional Position Sensor	97129036.0
Taiwan	Noise Cancelling Electrode	97132584.0
Taiwan	Testing Apparatus and Method	97142262.0
United States of America	Capacitive Keyboard with Reduced Keying Ambiguity	11/160,885
United States of America	Anisotropic Touch Screen Element	10/916,759
United States of America	Anisotropic Touch Screen Element	11/422,799

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Jurisdiction	Description	Application No.
United States of America	Rotary Capacitive Encoder	10/916,744
United States of America	Touch-Sensitive Control Panel	11/163,944
United States of America	Capacitive Sensor	11/056,781
United States of America	Touch Sensitive Screen	11/532,560
United States of America	Headset Power Management	11/333,489
United States of America	Headset Power Management	11/536,583
United States of America	Single-Layer Indium Tin Oxide Touch Screen	11/428,670
United States of America	Keyboard with Reduced Keying Ambiguity	11/279,402
United States of America	Touch Screen	11/737,934
United States of America	Two-Dimensional Position Screen	11/752,615
United States of America	Hybrid Capacitive Touch Screen Element	11/734,813
United States of America	Touch Screen Element	11/743,349
United States of America	Capacitive Keyboard with Position Dependent Reduced Keying Ambiguity	11/750,430
United States of America	Capacitive Position Sensor	11/765,393
United States of America	Touch Sensitive User Interface	11/750,588
United States of America	Touch-Screen Element	11/868,563
United States of America	Capacitive Position Sensor	11/868,566

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Jurisdiction	Description	Application No.
United States of America	Capacitive Position Sensor	12/317,305
United States of America	ScreenCapacitive Position Sensor	12/114,709
United States of America	Tiling Touch Control Panel	12/029,497
United States of America	Two-Dimensional Position Sensor	12/061,483
United States of America	Proximity Sensor	12/179,769
United States of America	Capacitive Touch Screen with Noise Suppression	61/044,038
United States of America	Gesture Recognition	12/254,043
United States of America	Gesture Recognition	61/049,453
United States of America	Capacitive Sensing with High-Frequency Noise Suppression	61/054,186
United States of America	Capacitive Sensing with Low-Frequency Noise Suppression	61/054,222
United States of America	Capacitive Matrix Touch Sensor	61/102,830
United States of America	Capacitive Touch Buttons Combined with Electroluminescent Lighting	61/106,294
United States of America	Touch Finding Method and Apparatus	12/255,610
United States of America	Multi-touch Tracking	12/255,620
United States of America	Touch Finding Method and Apparatus	12/255,616
United States of America	Signal Processing	12/254,859

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Jurisdiction	Description	Application No.
United States of America	Sensor and Method of Sensing	61/107,419
United States of America	Noise Reduction in Capacitive Sensors	12/255,335
United States of America	Noise handling in Capacitive Touch Sensors	12/255,998
United States of America	Two Dimensional Touch Sensor	61/107,388
United States of America	Touch Screen Sensor	61/115,032
United States of America	Four Electrodes QMatrix Touch Screen	61/203,595
WIPO - International Patents	Two-Dimensional Position Sensor	PCT/GB2008/001425
WIPO - International Patents	Two-Dimensional Position Sensor	PCT/GB2008/001155
WIPO - International Patents	Two-Dimensional Touch Screen	PCT/GB2008/002328
WIPO - International Patents	Two Dimensional Position Sensor	PCT/GB2008/002470
WIPO - International Patents	Two-Dimensional Position Sensor	PCT/GB2008/002613
WIPO - International Patents	Noise Cancelling Electrode	PCT/GB2008/002816
WIPO - International Patents	Testing Apparatus and Method	PCT/GB2008/003653

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**PART 3 - REGISTERED DESIGNS**

Description	Jurisdiction	Registration number
Media Player	United States of America	D560,227
Media Player	United States of America	D559,862

**PART 4 - DESIGN APPLICATIONS**

Description	Jurisdiction	Application number
Telephone Handset	United States of America	US 29/276,533

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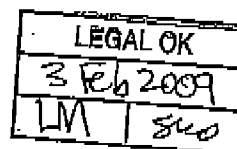
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Signed for and on behalf of  
**QRG LIMITED** by its  
duly authorised representative

*Patrick Reutens*  
.....  
Director *Patrick Reutens*  
Print name .....

Signed for and on behalf of  
**ATEL CORPORATION** by its  
duly authorised representative

*Steve Lamb*  
.....  
Director *Steve Lamb*  
Print name .....



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