

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3278262

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALIEN TECHNOLOGY, LLC	03/06/2015

RECEIVING PARTY DATA

Name:	RUIZHANG TECHNOLOGY LIMITED COMPANY
Street Address:	ROOM 927B, 9TH FLOOR, NO. 55 XILI ROAD
Internal Address:	FREE TRADE PILOT ZONE
City:	SHANGHAI
State/Country:	CHINA
Postal Code:	200051

PROPERTY NUMBERS Total: 229

Property Type	Number
Patent Number:	6274508
Patent Number:	6281038
Patent Number:	6291896
Patent Number:	6316278
Patent Number:	6380729
Patent Number:	6417025
Patent Number:	6420266
Patent Number:	6468638
Patent Number:	6479395
Patent Number:	6527964
Patent Number:	6555408
Patent Number:	6566744
Patent Number:	6586338
Patent Number:	6590346
Patent Number:	6606079
Patent Number:	6606247
Patent Number:	6623579
Patent Number:	6657289
Patent Number:	6665044

PATENT

Property Type	Number
Patent Number:	6683663
Patent Number:	6693384
Patent Number:	6731353
Patent Number:	6779733
Patent Number:	6780696
Patent Number:	6816380
Patent Number:	6844673
Patent Number:	6850312
Patent Number:	6863219
Patent Number:	6864435
Patent Number:	6919225
Patent Number:	6927085
Patent Number:	6933848
Patent Number:	6942155
Patent Number:	6952157
Patent Number:	6970219
Patent Number:	6980184
Patent Number:	6985361
Patent Number:	6988667
Patent Number:	6998644
Patent Number:	7046328
Patent Number:	7068224
Patent Number:	7070851
Patent Number:	7080444
Patent Number:	7101502
Patent Number:	7113250
Patent Number:	7141176
Patent Number:	7172789
Patent Number:	7172910
Patent Number:	7173528
Patent Number:	7193504
Patent Number:	7199527
Patent Number:	7214569
Patent Number:	7215249
Patent Number:	7218527
Patent Number:	7244326
Patent Number:	7253735
Patent Number:	7260882

Property Type	Number
Patent Number:	7262686
Patent Number:	7265675
Patent Number:	7288432
Patent Number:	7295114
Patent Number:	7301458
Patent Number:	7321159
Patent Number:	7324061
Patent Number:	7342490
Patent Number:	7353598
Patent Number:	7364084
Patent Number:	7377445
Patent Number:	7385284
Patent Number:	7411503
Patent Number:	7417306
Patent Number:	7425467
Patent Number:	7452748
Patent Number:	7453705
Patent Number:	7489248
Patent Number:	7500610
Patent Number:	7522055
Patent Number:	7531218
Patent Number:	7542008
Patent Number:	7542301
Patent Number:	7551141
Patent Number:	7554451
Patent Number:	7559131
Patent Number:	7559486
Patent Number:	7561221
Patent Number:	7562083
Patent Number:	7576656
Patent Number:	7580378
Patent Number:	7598867
Patent Number:	7615479
Patent Number:	7619531
Patent Number:	7659822
Patent Number:	7671720
Patent Number:	7688206
Patent Number:	7716160

Property Type	Number
Patent Number:	7716208
Patent Number:	7737825
Patent Number:	7868766
Patent Number:	7931063
Patent Number:	7967204
Patent Number:	8056818
Patent Number:	8102244
Patent Number:	8279047
Patent Number:	8284034
Patent Number:	8340581
Patent Number:	8350701
Patent Number:	8350703
Patent Number:	8395505
Patent Number:	8464957
Patent Number:	8471709
Patent Number:	8516683
Patent Number:	8742899
Patent Number:	8768952
Patent Number:	8810402
Patent Number:	8844830
Patent Number:	8912907
Patent Number:	8922375
Patent Number:	8936201
Application Number:	09270146
Application Number:	10056192
Application Number:	10431990
Application Number:	10775321
Application Number:	10826816
Application Number:	10951648
Application Number:	11032944
Application Number:	11054037
Application Number:	11131004
Application Number:	11136591
Application Number:	11153037
Application Number:	11198607
Application Number:	11432313
Application Number:	11452444
Application Number:	11485687

Property Type	Number
Application Number:	11521836
Application Number:	11544819
Application Number:	11546109
Application Number:	11546683
Application Number:	11584361
Application Number:	11654312
Application Number:	11706046
Application Number:	11732577
Application Number:	11809610
Application Number:	11973721
Application Number:	12025713
Application Number:	12028722
Application Number:	12113891
Application Number:	12119466
Application Number:	12197194
Application Number:	12268413
Application Number:	13355432
Application Number:	13355454
Application Number:	13595750
Application Number:	13633085
Application Number:	13730366
Application Number:	13791774
Application Number:	14284341
Application Number:	14303520
Application Number:	14339194
Application Number:	14340457
Application Number:	14485342
Application Number:	14497241
Application Number:	14559695
Application Number:	14599326
Application Number:	60118887
Application Number:	60253563
Application Number:	60286838
Application Number:	60294661
Application Number:	60294952
Application Number:	60295502
Application Number:	60305435
Application Number:	60328360

Property Type	Number
Application Number:	60329391
Application Number:	60332096
Application Number:	60378708
Application Number:	60399085
Application Number:	60399750
Application Number:	60457263
Application Number:	60471422
Application Number:	60472258
Application Number:	60494143
Application Number:	60496605
Application Number:	60518229
Application Number:	60523867
Application Number:	60626241
Application Number:	60670821
Application Number:	60681656
Application Number:	60700851
Application Number:	60713898
Application Number:	60717793
Application Number:	60724481
Application Number:	60725981
Application Number:	60729144
Application Number:	60736587
Application Number:	60773007
Application Number:	60791766
Application Number:	60810507
Application Number:	60904590
Application Number:	61114429
Application Number:	61123410
Application Number:	61589222
Application Number:	61858074
Application Number:	61859142
PCT Number:	JP2001001253
PCT Number:	US1999030391
PCT Number:	US2000001706
PCT Number:	US2000002348
PCT Number:	US2000002375
PCT Number:	US2000004018
PCT Number:	US2000041003

Property Type	Number
PCT Number:	US2001030784
PCT Number:	US2002016474
PCT Number:	US2002017159
PCT Number:	US2002033402
PCT Number:	US2003002115
PCT Number:	US2003012540
PCT Number:	US2004009070
PCT Number:	US2004015237
PCT Number:	US2004025883
PCT Number:	US2004036991
PCT Number:	US2004039031
PCT Number:	US2005002534
PCT Number:	US2005004923
PCT Number:	US2005039755
PCT Number:	US2005040410
PCT Number:	US2005040772
PCT Number:	US2006008611
PCT Number:	US2006016898
PCT Number:	US2006029183
PCT Number:	US2009039826

CORRESPONDENCE DATA

Fax Number: (408)720-8383
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.
Phone: 408-720-8300
Email: connie_thayer@bstz.com
Correspondent Name: JAMES C. SCHELLER
Address Line 1: 1279 OAKMEAD PARKWAY
Address Line 4: SUNNYVALE, CALIFORNIA 94085

ATTORNEY DOCKET NUMBER:	03424.G106
NAME OF SUBMITTER:	JAMES C. SCHELLER, REG. NO. 31,195
SIGNATURE:	/James C. Scheller/
DATE SIGNED:	03/23/2015

Total Attachments: 20

source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page1.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page2.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page3.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page4.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page5.tif

source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page6.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page7.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page8.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page9.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page10.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page11.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page12.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page13.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page14.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page15.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page16.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page17.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page18.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page19.tif
source=Shanghai_Ruizhang_IP_Transfer_Agreement_150306#page20.tif

TECHNOLOGY TRANSFER AGREEMENT

This Technology Transfer Agreement (“**Agreement**”) is entered as of March 6, 2015, by and between Alien Technology, LLC (the “**Transferor**”), and Ruizhang Technology Limited Company (the “**Transferee**”).

RECITALS

- A. Transferor has developed the technology developed described in Exhibit A (the “**Transferor IP**”).
- B. Transferor is the wholly owned subsidiary of Transferee.
- C. Transferee desires that Transferor assign to Transferee all of Seller’s rights in the Seller IP, and, at Transferee’s request, Transferor is willing to assign all of its rights in the Transferor IP to Transferee.

NOW, THEREFORE, in consideration of the foregoing and the mutual covenants contained in this Agreement, the receipt and sufficiency of which is hereby acknowledged by the parties, the parties agree as follows:

1. ASSIGNMENT

1.1 Assignment of Transferor IP. Transferor hereby sells, conveys, assigns and transfers to Transferee, and Transferee hereby purchases and acquires from Transferor, all of its rights, title and interest in and to the Transferor IP.

1.2 Further Cooperation. At Transferee’s request and expense, Transferor will assist and cooperate with Transferee in all reasonable respects, and will execute documents and will take such further acts reasonably requested by Transferee to enable Transferee to acquire, transfer, maintain, perfect and enforce its intellectual property rights and other legal protections for the Transferor IP.

1.3 No Assumption of Liabilities. Transferee will assume no liabilities or obligations of Transferor that relate to the Transferor IP.

1.4 Delivery. At the request of Buyer, Transferor will promptly deliver to Buyer the code and other materials specified in Exhibit A that comprise or relate to the Transferor IP. Such delivery will be in intangible form, with tangible delivery as a back-up procedure, to the extent reasonably feasible.

2. TRANSFER

It is the intent of the parties that (i) all consideration, fees, and payments provided for in, or pursuant to, this Agreement conform with the arm’s length standard as required by Section 482 of the United States Internal Revenue Code and the Treasury Regulations thereunder, the Transfer Pricing Guidelines issued by the Organization for Economic Cooperation and Development, and any equivalent provisions of applicable law in all relevant jurisdictions (collectively, the “**Transfer Pricing Requirements**”); (ii) the intercompany transactions and relationships established hereunder comply with all other applicable provisions and requirements of the Transfer Pricing Requirements; and (iii) this Agreement shall be so construed. If it is determined that any part of this Agreement is not consistent

with or does not comply with the Transfer Pricing Requirements, the Participants shall promptly amend this Agreement to bring it into compliance.

3. GENERAL

3.1 Assignment. This Agreement will inure to the benefit of the successors and assigns of the parties.

3.2 Governing Law. This Agreement and all matters arising out of or relating to this Agreement will be governed by the laws of the State of California, without regard to or application of its conflicts of law provisions.

3.3 Waiver. The failure by either party to enforce any provision of this Agreement will not constitute a waiver of future enforcement of that or any other provision. Neither party will be deemed to have waived any rights or remedies hereunder unless such waiver is in writing and signed by a duly authorized representative of the party against which such waiver is asserted.

3.4 Notices. All notices, approvals, consents and other communications required or permitted under this Agreement will be in writing and delivered by personal delivery, express courier, confirmed facsimile, confirmed e-mail, or certified or registered mail, postage prepaid and return receipt requested. Notices will be deemed to be effective upon personal delivery, one (1) day after deposit with express courier, five (5) days after deposit in the mail, or upon confirmation of receipt of facsimile or e-mail. All such notices, approvals, consents and other communications will be sent to the addresses set forth above or to such other address as may be specified by either party to the other party in accordance with this Section.

3.5 Severability. If for any reason a court of competent jurisdiction finds any provision of this Agreement invalid or unenforceable, that provision of the Agreement will be enforced to the maximum extent permissible and the other provisions of this Agreement will remain in full force and effect.


3.6 Entire Agreement. This Agreement, together with the exhibits hereto constitutes the complete and exclusive agreement between the parties concerning its subject matter and supersedes all prior or contemporaneous agreements or understandings, written or oral, concerning the subject matter of this Agreement. This Agreement may not be modified or amended except in a writing signed by a duly authorized representative of each party.

3.7 Counterparts. This Agreement may be executed in counterparts, each of which will be deemed an original, but both of which together will constitute one and the same instrument.

IN WITNESS WHEREOF, the parties have caused this Agreement to be signed as of the Effective Date by their duly authorized representatives.

Ruizhang Technology Limited Company

Alien Technology, LLC

Signature: 

Signature: 

Name: ZHONGRUI XIA

Name: Christopher Chang

Title: Chairman

Title: CBO

Date: 2015/3/6

Date: March 6, 2015

Exhibit A

Transferor IP

1. Patent List attached and incorporated herein by this reference.
2. Right, title and interest in and to, both tangible and intangible, wherever located, to all rights, priorities and privileges of Transferor relating to its intellectual property, whether arising under United States, multinational or foreign laws or otherwise, including copyrights, copyright licenses, inventions, patents, patent licenses, trademarks, trademark licenses and trade secrets (including customer lists), domain names, Web sites and know-how.

Exhibit A to IP Transfer Agreement

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
US	2/16/99	09/251,220	FUNCTIONALLY SYMMETRIC INTEGRATED CIRCUIT DIE	6,291,896	9/18/01	Issued
EP	1/24/00	00909964.9	FUNCTIONALLY SYMMETRIC INTEGRATED CIRCUIT DIE			Abandoned
JP	1/24/00	2000-600307	FUNCTIONALLY SYMMETRIC INTEGRATED CIRCUIT DIE			Closed
WO	1/24/00	PCT/US2000/001706	FUNCTIONALLY SYMMETRIC INTEGRATED CIRCUIT DIE			Expired
US	2/16/99	09/251,268	PIXEL INTEGRATED CIRCUIT	6,606,079	8/12/03	Issued
US	7/25/02	09/432,289	METHODS AND APPARATUSES FOR IMPROVED FLOW IN PERFORMING FLUIDIC SELF ASSEMBLY	6,527,964	3/4/03	Issued
US	7/25/02	10/206,686	METHODS AND APPARATUSES FOR ASSEMBLING ELEMENTS ONTO A SUBSTRATE	7,141,176	11/28/06	Issued
US	11/2/99	09/433,605	METHODS FOR CREATING ELEMENTS OF PREDETERMINED SHAPE AND APPARATUSES FOR USING THESE ELEMENTS	6,420,266	7/16/02	Issued
US	4/23/02	10/131,541	METHODS FOR CREATING ELEMENTS OF PREDETERMINED SHAPE AND APPARATUS USING THESE ELEMENTS	6,586,338	7/1/03	Issued
US	11/2/99	09/432,512	METHODS FOR FORMING OPENINGS IN A SUBSTRATE AND APPARATUSES WITH THESE OPENINGS AND METHODS FOR CREATING ASSEMBLIES WITH OPENINGS	6,479,395	11/12/02	Issued
US	5/23/02	10/154,899	METHODS FOR FORMING OPENINGS IN A SUBSTRATE AND APPARATUSES WITH THESE OPENINGS AND METHODS FOR CREATING ASSEMBLIES WITH OPENINGS	7,101,502	9/5/06	Issued
US	7/12/06	11/485,687	METHODS FOR FORMING OPENINGS IN A SUBSTRATE AND APPARATUSES WITH THESE OPENINGS AND METHODS FOR CREATING ASSEMBLIES WITH OPENINGS			Abandoned
WO	9/26/00	PCT/US2000/041003	METHODS FOR FORMING OPENINGS IN A SUBSTRATE AND APPARATUSES WITH THESE OPENINGS AND METHODS FOR CREATING ASSEMBLIES WITH OPENINGS			Abandoned
US	2/16/99	09/251,269	TESTING INTEGRATED CIRCUIT DICE	6,380,729	4/30/02	Issued
WO	2/16/00	PCT/US2000/004018	TESTING OF INTEGRATED CIRCUIT DIE			Abandoned
US	11/2/99	09/432,291	METHODS AND APPARATUS FOR FLUIDIC SELF ASSEMBLY	6,623,579	9/23/03	Issued
US	8/4/03	10/634,350	METHODS AND APPARATUS FOR FLUIDIC SELF-ASSEMBLY	7,172,789	2/6/07	Issued

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
US	12/15/06	11/639,858	METHODS AND APPARATUS FOR FLUIDIC SELF ASSEMBLY	7,531,218	5/12/09	Issued
US	3/16/99	09/270,146	APPARATUSES AND METHODS FOR FORMING ASSEMBLIES			Abandoned
US	10/12/01	09/977,518	APPARATUSES AND METHODS FOR FORMING ELECTRONIC ASSEMBLIES	6,665,044	12/16/03	Issued
US	8/17/01	09/932,505	APPARATUSES AND METHODS FOR FLEXIBLE DISPLAYS	7,046,328	5/16/06	Issued
US	3/29/04	10/812,788	APPARATUSES AND METHODS FOR FLEXIBLE DISPLAYS	6,850,312	2/1/05	Issued
US	1/28/05	11/046,651	APPARATUSES AND METHODS FOR FORMING ASSEMBLIES	7,113,250	9/26/06	Issued
US	9/1/06	11/515,070	APPARATUSES AND METHODS FOR FORMING ASSEMBLIES	7,561,221	7/14/09	Issued
EP	12/10/99	99967461.7	APPARATUSES AND METHODS FOR FORMING ASSEMBLIES			Abandoned
JP	12/10/99	2000-597840	APPARATUSES AND METHODS FOR FORMING ASSEMBLIES			Abandoned
KR	12/10/99	10-2001-7009891	APPARATUSES AND METHODS FOR FORMING ASSEMBLIES	686784	2/16/07	Issued
WO	12/10/99	PCT/US1999/030391	APPARATUSES AND METHODS FOR FORMING ASSEMBLIES			Completed
US	2/5/99	60/118,887	APPARATUS AND METHODS FOR FORMING ASSEMBLIES			Expired
US	3/16/99	09/270,157	METHODS FOR TRANSFERRING ELEMENTS FROM A TEMPLATE TO A SUBSTRATE	6,555,408	4/29/03	Issued
US	3/16/99	09/270,159	METHOD FOR FABRICATING MULTIPLE MODULAR ASSEMBLY	6,316,278	11/13/01	Issued
DE	1/31/00	00908425.2	METHODS AND APPARATUS FOR FABRICATING A MULTIPLE MODULAR ASSEMBLY	60033928.9	3/14/07	Issued
EP	1/31/00	00908425.2	METHODS AND APPARATUS FOR FABRICATING A MULTIPLE MODULAR ASSEMBLY	1181720	3/14/07	Issued
FI	1/31/00	00908425.2	METHODS AND APPARATUS FOR FABRICATING A MULTIPLE MODULE ASSEMBLY	1181720	3/14/07	Issued
FR	1/31/00	00908425.2	METHODS AND APPARATUS FOR FABRICATING A MULTIPLE MODULAR ASSEMBLY	1181720	3/14/07	Issued
GB	1/31/00	00908425.2	METHODS AND APPARATUS FOR FABRICATING A MULTIPLE MODULAR ASSEMBLY	1181720	3/14/07	Issued
HK	7/6/02	2105048.9	METHODS AND APPARATUS FOR FABRICATING MULTIPLE MODULAR ASSEMBLY	HK1043483	6/29/07	Abandoned
JP	1/31/00	2000-605265	METHODS AND APPARATUS FOR FABRICATING A MULTIPLE MODULAR ASSEMBLY			Abandoned
WO	1/31/00	PCT/US2000/002375	METHODS AND APPARATUS FOR FABRICATING A MULTIPLE MODULAR ASSEMBLY			Expired
US	3/16/99	09/270,147	APPARATUSES AND METHODS USED IN FORMING ASSEMBLIES	6,274,508	8/14/01	Issued

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
US	3/16/99	09/268,755	WEB PROCESS INTERCONNECT IN ELECTRONIC ASSEMBLIES	6,468,638	10/22/02	Issued
US	6/21/02	10/176,795	WEB PROCESS INTERCONNECT IN ELECTRONIC ASSEMBLIES	7,070,851	7/4/06	Issued
US	10/14/04	10/966,617	ELECTRONIC DEVICES WITH SMALL FUNCTIONAL ELEMENTS SUPPORTED ON A CARRIER	7,288,432	10/30/07	Issued
US	10/9/07	11/869,665	WEB PROCESS INTERCONNECT IN ELECTRONIC ASSEMBLIES	7,425,467	9/16/08	Issued
EP	1/31/00	00907083.0	WEB PROCESS INTERCONNECT IN ELECTRONIC ASSEMBLIES			Abandoned
JP	1/31/00	2000-605264	WEB PROCESS INTERCONNECT IN ELECTRONIC ASSEMBLIES			Abandoned
WO	1/31/00	PCT/US2000/002348	APPARATUSES AND METHODS FOR FORMING ASSEMBLIES			Expired
US	8/17/01	09/932,515	APPARATUSES AND METHODS FOR FORMING ELECTRONIC ASSEMBLIES	6,863,219	3/8/05	Issued
US	9/27/04	10/952,009	APPARATUSES AND METHODS FOR FORMING ELECTRONIC ASSEMBLIES	7,417,306	8/26/08	Issued
US	8/22/08	12/197,194	APPARATUSES AND METHODS FOR FORMING ELECTRONIC ASSEMBLIES			Abandoned
US	3/16/99	09/270,165	METHODS FOR FORMING ASSEMBLIES	6,281,038	8/28/01	Issued
US	8/17/01	09/932,644	APPARATUSES AND METHODS FOR FORMING SMART LABELS	7,218,527	5/15/07	Issued
US	12/18/06	11/641,455	APPARATUSES AND METHODS FOR FORMING WIRELESS RF LABELS	7,559,486	7/14/09	Issued
US	5/1/08	12/113,891	APPARATUSES AND METHODS FOR FORMING SMART LABELS			Abandoned
US	8/17/01	09/932,406	DISPLAY DEVICE WITH AN ARROY OF DISPLAY DRIVERS RECESSED ONTO A SUBSTRATE	6,998,644	2/14/06	Issued
US	8/17/01	09/932,409	WEB FABRICATION OF DEVICES	6,683,663	1/27/04	Issued
US	6/30/03	10/611,142	WEB FABRICATION OF DEVICES	6,927,085	8/9/05	Issued
US	6/28/05	11/169,534	WEB FABRICATION OF DEVICES	7,172,910	2/6/07	Issued
US	11/27/00	60/253,563	WEB FABRICATION OF DEVICES			Expired
US	4/2/01	09/825,381	INTEGRATED CIRCUIT PACKAGES ASSEMBLED UTILIZING FLUIDIC SELF-ASSEMBLY	6,417,025	7/9/02	Issued
US	6/21/02	10/177,045	INTEGRATED CIRCUIT PACKAGES ASSEMBLED UTILIZING FLUIDIC SELF-ASSEMBLY	6,566,744	5/20/03	Issued
US	9/27/00	09/671,659	DISPLAY DEVICES AND INTEGRATED CIRCUITS	6,980,184	12/27/05	Issued
US	5/16/05	11/131,004	DISPLAY DEVICES AND INTEGRATED CIRCUITS			Abandoned
WO	9/27/01	PCT/US2001/030784	DISPLAY DEVICES AND INTEGRATED CIRCUITS			Abandoned

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
US	2/28/02	10/086,491	APPARATUS FOR FORMING AN ELECTRONIC ASSEMBLY	7,080,444	7/25/06	Issued
US	6/13/06	11/452,444	METHOD AND APPARATUS FOR MOVING BLOCKS			Abandoned
US	12/6/01	10/020,385	SPLIT-FABRICATION FOR LIGHT EMITTING DISPLAY STRUCTURES	6,844,673	1/18/05	Issued
US	9/27/04	10/951,648	SPLIT-FABRICATION FOR LIGHT EMITTING DISPLAY STRUCTURES			Closed
US	5/31/01	09/872,985	MULTI-FEATURE-SIZE ELECTRONIC STRUCTURES	6,606,247	8/12/03	Issued
US	6/17/03	10/464,031	ELECTRONIC DEVICES WITH SMALL FUNCTIONAL ELEMENTS SUPPORTED ON A CARRIER	6,816,380	11/9/04	Issued
US	9/27/04	10/952,201	ELECTRONIC DEVICES WITH SMALL FUNCTIONAL ELEMENTS SUPPORTED ON A CARRIER	6,985,361	1/10/06	Issued
US	7/22/05	11/188,149	ELECTRONIC DEVICES WITH SMALL FUNCTIONAL ELEMENTS SUPPORTED ON A CARRIER	7,260,882	8/28/07	Issued
US	7/2/07	11/824,959	ELECTRONIC DEVICES WITH SMALL FUNCTIONAL ELEMENTS SUPPORTED ON A CARRIER	7,559,131	7/14/09	Issued
US	7/14/09	12/502,888	MULTI-FEATURE-SIZE ELECTRONIC STRUCTURES	8,516,683	8/27/13	Issued
EP	5/24/02	02747862.7	MULTI-FEATURE-SIZE-ELECTRONIC STRUCTURES			Abandoned
JP	5/24/02	2003-500830	MULTI-FEATURE-SIZE-ELECTRONIC STRUCTURES			Abandoned
WO	5/24/02	PCT/US2002/016474	MULTI-FEATURE-SIZE-ELECTRONIC STRUCTURES			Expired
US	7/16/01	09/906,627	DOUBLE-METAL BACKGROUND DRIVEN DISPLAYS	6,590,346	7/8/03	Issued
US	5/30/02	10/160,458	METHODS AND APPARATUSES TO IDENTIFY DEVICES	6,988,667	1/24/06	Issued
US	5/17/05	11/132,085	METHODS AND APPARATUSES TO IDENTIFY DEVICES	7,262,686	8/28/07	Issued
US	7/20/07	11/781,193	METHODS AND APPARATUSES TO IDENTIFY DEVICES	8,284,034	10/9/12	Issued
WO	5/31/02	PCT/US2002/017159	METHOD AND APPARATUS FOR IDENTIFY DEVICES			Expired
US	5/31/01	60/295,502	METHODS AND APPARATUSES TO IDENTIFY DEVICES			Expired
US	4/23/02	10/131,517	ELECTRICAL CONTACTS FOR FLEXIBLE DISPLAYS	6,864,435	3/8/05	Issued
US	2/8/05	11/054,037	ELECTRICAL CONTACTS FOR FLEXIBLE DISPLAYS			Abandoned
CN	4/22/03	03809332.4	FLEXIBLE ELECTRONIC DEVICES AND METHODS OF MAKING THE SAME	CN 1322587C	6/20/07	Issued
EP	4/22/03	03728493.2	BACKSIDE CONTACTS			Abandoned
JP	4/22/03	2004-500334	BACKSIDE CONTACTS			Lapsed
KR	4/22/03	10-2004-7017115	BACKSIDE CONTACTS			Abandoned

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
WO	4/22/03	PCT/US2003/012540	FLEXIBLE ELECTRONIC DEVICES AND METHODS OF MAKING THE SAME			Expired
US	4/25/01	60/286,838	CONTACTS FOR FLEXIBLE DISPLAYS			Expired
US	7/30/02	60/399,750	DISPLAY STRUCTURE			Closed
US	2/1/02	10/061,432	INTERCONNECT STRUCTURE FOR ELECTRONIC DEVICES	6,693,384	2/17/04	Issued
US	2/10/04	10/775,321	INTERCONNECT STRUCTURE FOR ELECTRONIC DEVICES			Abandoned
US	7/11/02	10/193,807	APPARATUS RELATING TO BLOCK CONFIGURATIONS AND FLUIDIC SELF-ASSEMBLY PROCESSES	6,657,289	12/2/03	Issued
US	10/20/03	10/689,906	METHODS AND APPARATUSES RELATING TO BLOCK CONFIGURATIONS AND FLUID SELF-ASSEMBLY PROCESSES	6,919,225	7/19/05	Issued
US	6/14/05	11/153,037	METHODS AND APPARATUSES RELATING TO BLOCK CONFIGURATIONS AND FLUIDIC SELF-ASSEMBLY PROCESSES			Abandoned
US	7/13/01	60/305,435	USES, METHODS AND APPARATUSES RELATING TO BLOCK CONFIGURATIONS AND FLUIDIC SELF-ASSEMBLY PROCESSES			Expired
US	11/15/01	60/332,096	METHODS OF COATING HTL/LEP USING SLOT DIE TECHNOLOGY			Closed
US	9/17/01	09/953,639	METHOD AND APPARATUS FOR SELF-ASSEMBLY OF FUNCTIONAL BLOCKS ON A SUBSTRATE FACILITATED BY ELECTRODE PAIRS	6,780,696	8/24/04	Issued
US	8/5/04	10/913,681	METHOD AND APPARATUS FOR SELF-ASSEMBLY OF FUNCTIONAL BLOCKS ON A SUBSTRATE FACILITATED BY ELECTRODE PAIRS	7,321,159	1/22/08	Issued
US	10/12/01	60/329,391	TAG SEARCH WITH 1 AND ZERO BAR			Expired
US	5/10/02	10/144,166	METHOD AND APPARATUS FOR TRANSFERRING BLOCKS	6,731,353	5/4/04	Issued
US	4/15/04	10/826,816	METHOD AND APPARATUS FOR TRANSFERRING BLOCKS			Abandoned
US	7/21/03	10/624,582	FLEXIBLE DISPLAY AND METHOD OF MAKING THE SAME	6,970,219	11/29/05	Issued
US	7/26/2002	60/399,085	FLEXIBLE DISPLAY AND METHOD OF MAKING THE SAME			Expired
US	1/23/02	10/056,192	APPARATUS INCORPORATING SMALL-FEATURE-SIZE AND LARGE-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Abandoned

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
AU	1/23/03	2003205307	APPARATUS INCODPORATING SMALL-FEATURE-SIZE AND LARG-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME	2003205307	7/9/09	Issued
CA	1/23/03	2,474,054	APPARATUS INCODPORATING SMALL-FEATURE-SIZE AND LARG-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Abandoned
CN	1/23/03	3801781.4	APPARATUS INCODPORATING SMALL-FEATURE-SIZE AND LARG-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Abandoned
EP	1/23/03	03703985.6	APPARATUS INCODPORATING SMALL-FEATURE-SIZE AND LARG-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Abandoned
JP	1/23/03	2003-562978	APPARATUS INCODPORATING SMALL-FEATURE-SIZE AND LARG-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Abandoned
KR	1/23/03	10-2004-7011487	APPARATUS INCODPORATING SMALL-FEATURE-SIZE AND LARG-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Abandoned
WO	1/23/03	PCT/US2003/002115	APPARATUS INCODPORATING SMALL-FEATURE-SIZE AND LARG-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Expired
US	1/30/04	10/769,572	APPARATUS INCORPORATING SMALL-FEATURE-SIZE AND LARGE-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME	7,214,569	5/8/07	Issued
AU	1/28/05	2005211112	APPARATUS INCODPORATING SMALL-FEATURE-SIZE AND LARG-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Abandoned
US	1/16/07	11/654,312	APPARATUS INCORPORATING SMALL-FEATURE-SIZE AND LARGE-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Abandoned
CN	1/28/05	20058003454	APPARATUS INCODPORATING SMALL-FEATURE-SIZE AND LARG-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Abandoned

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
EP	1/28/05	05726384.0	APPARATUS INCODPORATING SMALL-FEATURE-SIZE AND LARG-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Abandoned
JP	1/28/05	2006-551455	APPARATUS INCODPORATING SMALL-FEATURE-SIZE AND LARG-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Abandoned
KR	1/28/05	10-2006-7017383	APPARATUS INCODPORATING SMALL-FEATURE-SIZE AND LARG-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Abandoned
WO	1/28/05	PCT/US2005/002534	APPARATUS INCODPORATING SMALL-FEATURE-SIZE AND LARG-FEATURE-SIZE COMPONENTS AND METHOD FOR MAKING SAME			Closed
US	10/8/02	10/267,924	METHOD AND APPARATUSES FOR IDENTIFICATION	7,193,504	3/20/07	Issued
US	9/15/06	11/521,836	METHOD AND APPARATUSES FOR IDENTIFICATION			Abandoned
US	8/10/07	11/891,419	METHODS AND APPARATUS FOR ANTI-COLLISION FOR RADIO FREQUENCY COMMUNICATION	8,279,047	10/2/12	Issued
US	10/1/12	13/633,085	METHODS AND APPARATUSES FOR IDENTIFICATION			Abandoned
CN	10/9/02	2820082.9	METHODS AND APPARATUSES FOR IDENTIFICATION	CN 100433052C	11/12/08	Issued
CN	10/9/02	200810004786.9	METHOD AND APPARATUSES FOR IDENTIFICATION			Abandoned
EP	10/9/02	02801064.3	METHODS AND APPARATUSES FOR IDENTIFICATION			Abandoned
JP	10/9/02	2003-535135	METHODS AND APPARATUSES FOR IDENTIFICATION			Abandoned
WO	10/9/02	PCT/US2002/033402	METHODS AND APPARATUSES FOR IDENTIFICATION			Closed
TW	10/9/02	91123291	METHODS AND APPARATUSES FOR IDENTIFICATION	1228683	3/1/05	Issued
US	10/9/01	60/328,360	METHOD AND APPARATUSES FOR IDENTIFICATION			Expired
US	5/7/03	10/431,990	BARRIER, SUCH AS A HERMETIC BARRIER LAYER FOR O/PLED AND OTHER ELECTRONIC DEVICES ON PLASTIC			Abandoned
US	10/13/06	11/581,097	A BARRIER, SUCH AS A HERMETIC BARRIER LAYER FOR O/PLED AND OTHER ELECTRONIC DEVICES ON PLASTIC	7,453,705	11/18/08	Issued
US	5/7/02	60/378,708	BARRIER, SUCH AS A HERMETIC BARRIER LAYER FOR O/PLED AND OTHER ELECTRONIC DEVICES ON PLASTIC			Expired

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
US	3/23/04	10/807,775	RFID TAGS AND PROCESSES FOR PRODUCING RFID TAGS	7,253,735	8/7/07	Issued
US	7/31/06	11/497,402	RFID TAGS AND PROCESSES FOR PRODUCING RFID TAGS	7,489,248	2/10/09	Issued
US	2/5/09	12/366,617	RFID TAGS AND PROCESSES FOR PRODUCING RFID TAGS	7,868,766	1/11/11	Issued
US	1/10/11	12/987,995	RFID TAGS AND PROCESSES FOR PRODUCING RFID TAGS	8,350,703	1/8/13	Issued
US	12/28/12	13/730,105	RFID TAGS AND PROCESSES FOR PRODUCING RFID TAGS	8,912,907	12/16/2014	Issued
US	12/3/14	14/559,695	RFID TAGS AND PROCESSES FOR PRODUCING RFID TAGS			Pending
CN	3/24/04	200480007825.0	RFID TAGS AND PROCESSES FOR PRODUCING RFID TAGS	ZL 200480007825.0	5/23/12	Issued
EP	3/24/04	04758132.7	RFID TAGS AND PROCESSES FOR PRODUCING RFID TAGS			Abandoned
WO	3/24/04	PCT/US2004/009070	RFID TAGS AND PROCESSES FOR PRODUCING RFID TAGS			Expired
US	3/24/03	60/457,263	RFID TAGS AND PROCESSES FOR PRODUCING RFID TAGS AND OTHER OBJECTS			Expired
US	5/18/04	10/848,643	DOUBLE INDUCTOR LOOP TAG ANTENNA	7,324,061	1/29/08	Issued
US	12/5/07	11/951,299	DOUBLE INDUCTOR LOOP TAG ANTENNA	7,542,008	6/2/09	Issued
US	5/20/03	60/472,258	DOUBLE INDUCTOR LOOP TAG ANTENNA			Expired
US	5/13/04	10/846,753	TRANSFER ASSEMBLY FOR MANUFACTURING ELECTRONIC DEVICES	7,244,326	7/17/07	Issued
CN	5/14/04	200480013292.7	TRANSFER ASSEMBLY FOR MANUFACTURING ELECTRONIC DEVICES			Abandoned
US	6/19/07	11/820,603	TRANSFER ASSEMBLY FOR MANUFACTURING ELECTRONIC DEVICES	7,931,063	4/26/11	Issued
KR	5/14/04	10-2005-7021876	TRANSFER ASSEMBLY FOR MANUFACTURING ELECTRONIC DEVICES			Abandoned
WO	5/14/04	PCT/US2004/015237	TRANSFER ASSEMBLY FOR MANUFACTURING ELECTRONIC DEVICES			Expired
US	5/16/03	60/471,422	FRAME AT A TIME TRANSFER			Expired
US	8/9/04	10/915,725	METHODS AND APPARATUSES TO IDENTIFY DEVICES	8,102,244	1/24/12	Issued
US	12/19/11	13/330,384	METHODS AND APPARATUSES TO IDENTIFY DEVICES	8,742,899	6/3/14	Issued
US	5/21/14	14/284,341	METHODS AND APPARATUSES TO IDENTIFY DEVICES			Pending
CN	8/9/04	200480029427.9	RFID TAG SEARCH METHODS	ZL 200480029427.9	9/16/09	Issued
DE	8/9/04	04780679.9	METHODS AND APPARATUSES TO IDENTIFY DEVICES	602004041800.5	4/17/13	Issued
EP	8/9/04	04780679.9	RFID TAG SEARCH METHODS	1665120	4/17/13	Issued
FR	8/9/04	04780679.9	METHODS AND APPARATUSES TO IDENTIFY DEVICES	1665120	4/17/13	Issued
GB	8/9/04	04780679.9	METHODS AND APPARATUSES TO IDENTIFY DEVICES	1665120	4/17/13	Issued

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
WO	8/9/04	PCT/US2004/025883	RFID TAG SEARCH METHODS			Expired
US	8/9/03	60/494,143	METHODS AND APPARATUSES TO IDENTIFY DEVICES			Expired
US	8/19/03	60/496,605	DOUBLE SIDEBAND SUPPRESSED CARRIER CLOCK SIGNAL FOR AM ONLY RECEIVERS SUCH AS RFID TAGS			Closed
US	11/5/04	10/982,557	METHODS AND APPARATUSES TO IDENTIFY DEVICES	7,716,160	5/11/10	Issued
AU	11/5/04	2004290371	METHODS AND APPARATUSES TO IDENTIFY DEVICES	2004290371	2/24/11	Issued
US	11/9/05	11/271,629	RFID HANDSHAKING	7,716,208	5/11/10	Issued
US	11/9/05	11/271,628	RFID HUFFMAN ENCODED COMMANDS	7,562,083	7/14/09	Issued
CA	11/5/04	2,544,704	METHODS AND APPARATUSES TO IDENTIFY DEVICES			Abandoned
CH	11/5/04	09163545.8	METHODS AND APPARATUS TO IDENTIFY DEVICES	2098980	9/7/11	Issued
CN	11/5/04	200480032318.2	METHODS AND APPARATUS TO IDENTIFY DEVICES	ZL 200490032318.2	11/4/09	Issued
US	5/3/10	12/772,922	METHODS AND APPARATUSES TO IDENTIFY DEVICES	8,768,952	7/1/14	Issued
US	6/12/14	14/303,520	METHODS AND APPRATUSES TO IDENTIFY DEVICES			Pending
DE	11/5/04	04800815.5	METHODS AND APPARATUS TO IDENTIFY DEVICES	602004022077.9	7/15/09	Issued
DE	11/5/04	09163545.8	METHODS AND APPARATUS TO IDENTIFY DEVICES	602004034290.4	9/7/11	Issued
EP	11/5/04	04800815.5	METHODS AND APPARATUS TO IDENTIFY DEVICES	1683079	7/15/09	Issued
EP	11/5/04	09163545.8	METHODS AND APPARATUS TO IDENTIFY DEVICES	2098980	9/7/11	Issued
FR	11/5/04	04800815.5	METHODS AND APPARATUS TO IDENTIFY DEVICES	1683079	7/15/09	Issued
FR	11/5/04	09163545.8	METHODS AND APPARATUS TO IDENTIFY DEVICES	2098980	9/7/11	Issued
GB	11/5/04	04800815.5	METHODS AND APPARATUS TO IDENTIFY DEVICES	1683079	7/15/09	Issued
GB	11/5/04	09163545.8	METHODS AND APPARATUS TO IDENTIFY DEVICES	2098980	9/7/11	Issued
HK	2/24/10	10101957.7	METHODS AND APPARATUS TO IDENTIFY DEVICES	1136062	7/6/12	Issued
IE	11/5/04	04800815.5	METHODS AND APPARATUS TO IDENTIFY DEVICES	1683079	7/15/09	Issued
IE	11/5/04	09163545.8	METHODS AND APPARATUS TO IDENTIFY DEVICES	2098980	9/7/11	Issued
IN	11/5/04	1903/CHENP/2006	METHODS AND APPARATUSES TO IDENTIFY DEVICES	256099	5/1/13	Issued
JP	11/5/04	2006-539679	METHODS AND APPARATUS TO IDENTIFY DEVICES	4713491	4/1/11	Issued
KR	11/5/04	10-2006-7011176	METHODS AND APPARATUS TO IDENTIFY DEVICES			Abandoned
LU	11/5/04	09163545.8	METHODS AND APPARATUS TO IDENTIFY DEVICES	2098980	9/7/11	Issued
NL	11/5/04	04800815.5	METHODS AND APPARATUS TO IDENTIFY DEVICES	1683079	7/15/09	Issued
NL	11/5/04	09163545.8	METHODS AND APPARATUS TO IDENTIFY DEVICES	2098980	9/7/11	Issued

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
WO	11/5/04	PCT/US2004/036991	METHODS AND APPARATUS TO IDENTIFY DEVICES			Closed
US	11/7/03	60/518,229	METHODS AND APPRATUSES TO IDENTIFY DEVICES			Expired
US	11/19/04	10/993,668	RADIO FREQUENCY IDENTIFICATION READER	7,215,249	5/8/07	Issued
WO	11/19/04	PCT/US2004/039031	RADIO FREQUENCY IDENTIFICATION READER			Expired
US	11/19/03	60/523,867	RADIO FREQUENCY IDENTIFICATION READER			Expired
US	3/12/04	10/800,164	SWITCHING PATCH ANTENNA	7,068,224	6/27/06	Issued
WO	2/15/05	PCT/US2005/004923	SWITCHING PATCH ANTENNA			Lapsed
US	1/21/05	11/040,551	LOCATION MANAGEMENT FOR RADIO FREQUENCY IDENTIFICATION READERS	7,295,114	11/13/07	Issued
US	10/9/07	11/973,721	LOCATION MANAGEMENT FOR RADIO FREQUENCY IDENTIFICATION READERS			Abandoned
US	5/21/03	10/442,511	DISPLAY DEVICE AND METHODS OF MANUFACTURING AND CONTROL	7,199,527	4/3/07	Issued
US	9/1/04	10/932,684	METHOD AND APPARATUS FOR REMOVING DISTORTION IN RADIO FREQUENCY SIGNALS	7,671,720	3/2/10	Issued
US	11/22/04	10/996,294	TRANSPONDER INCORPORATED INTO AN ELECTRONIC DEVICE	7,385,284	6/10/08	Issued
US	5/12/08	12/119,466	TRANSPONDER INCORPORATED INTO AN ELECTRONIC DEVICE			Abandoned
US	1/10/05	11/033,347	RADIO FREQUENCY IDENTIFICATION (RFID) TAG FOR AN ITEM HAVING A CONDUCTIVE LAYER INCLUDED OR ATTACHED	7,688,206	3/30/10	Issued
US	1/10/05	11/032,944	RADIO FREQUENCY IDENTIFICATION (RFID) TAG FOR AN ITEM HAVING A CONDUCTIVE LAYER INCLUDED OR ATTACHED			Abandoned
EP	11/9/05	05851508.1	RADIO FREQUENCY IDENTIFICATION (RFID) TAG FOR AN ITEM HAVING A CONDUCTIVE LAYER INCLUDED OR ATTACHED			Abandoned
KR	11/9/05	10-2007-7014125	RADIO FREQUENCY IDENTIFICATION (RFID) TAG FOR AN ITEM HAVING A CONDUCTIVE LAYER INCLUDED OR ATTACHED			Abandoned
WO	11/9/05	PCT/US2005/040772	RADIO FREQUENCY IDENTIFICATION (RFID) TAG FOR AN ITEM HAVING A CONDUCTIVE LAYER INCLUDED OR ATTACHED			Expired

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
US	3/29/10	12/749,355	RADIO FREQUENCY IDENTIFICATION (RFID) TAG FOR AN ITEM HAVING A CONDUCTIVE LAYER INCLUDED OR ATTACHED	8,471,709	6/25/13	Issued
US	8/27/12	13/595,750	RADIO FREQUENCY IDENTIFICATION (RFID) TAG FOR AN ITEM HAVING A CONDUCTIVE LAYER INCLUDED OR ATTACHED			Allowed
US	5/7/02	10/140,589	INTEGRATED CIRCUITS WITH PERSISTENT DATA STORAGE	6,942,155	9/13/05	Issued
US	6/14/05	11/153,030	INTEGRATED CIRCUITS WITH PERSISTENT DATA STORAGE	7,364,084	4/29/08	Issued
US	10/31/05	11/264,573	INTEGRATED CIRCUITS WITH PERSISTENT DATA STORAGE	7,377,445	5/27/08	Issued
US	10/31/05	11/263,792	INTEGRATED CIRCUITS WITH PERSISTENT DATA STORAGE	7,737,825	6/15/10	Issued
US	4/28/08	12/111,140	INTEGRATED CIRCUITS WITH PERSISTENT DATA STORAGE	8,056,818	11/15/11	Issued
US	10/18/11	13/276,222	INTEGRATED CIRCUITS WITH PERSISTENT DATA STORAGE	8,464,957	6/18/13	Issued
US	5/22/13	13/900,296	INTEGRATED CIRCUITS WITH PERSISTENT DATA STORAGE	8,936,201	1/20/2015	Issued
US	1/16/15	14/599,326	INTEGRATED CIRCUITS WITH PERSISTENT DATA STORAGE			Pending
US	5/31/01	60/294,661	ICs WITH PERSISTENT DATA STORAGE			Expired
US	6/22/05	11/159,526	ASSEMBLY COMPRISING FUNCTIONAL BLOCK DEPOSITED THEREIN	7,615,479	11/10/09	Issued
US	6/22/05	11/159,574	CREATING RECESSED REGIONS IN A SUBSTRATE AND ASSEMBLIES HAVING SUCH RECESSED REGIONS	7,542,301	6/2/09	Issued
US	11/23/04	10/997,608	RADIO FREQUENCY IDENTIFICATION STATIC DISCHARGE PROTECTION	7,342,490	3/11/08	Issued
US	2/4/08	12/025,713	RADIO FREQUENCY IDENTIFICATION STATIC DISCHARGE PROTECTION			Abandoned
EP	11/3/05	05858291.7	RADIO FREQUENCY IDENTIFICATION STATIC DISCHARGE PROTECTION			Abandoned
KR	11/3/05	10-2007-7014251	RADIO FREQUENCY IDENTIFICATION STATIC DISCHARGE PROTECTION			Abandoned
WO	11/3/05	PCT/US2005/039755	RADIO FREQUENCY IDENTIFICATION STATIC DISCHARGE PROTECTION			Expired
US	10/5/06	11/544,819	METHODS AND APPARATUSES RELATING TO BLOCK RECEPTOR CONFIGURATIONS AND BLOCK ASSEMBLY PROCESSES			Abandoned

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
US	10/7/05	60/724,481	METHODS AND APPARATUSES RELATING TO BLOCK RECEPTOR CONFIGURATIONS AND BLOCK ASSEMBLY PROCESSES			Expired
US	8/5/05	11/198,607	APPARATUSES AND METHODS FACILITATING FUNCTIONAL BLOCK DEPOSITION			Abandoned
EP	7/26/06	06800395.3	APPARATUS AND METHOD FOR DEPOSITING FUNCTIONAL BLOCKS			Abandoned
WO	7/26/06	PCT/US2006/029183	APPARATUS AND METHOD FOR DEPOSITING FUNCTIONAL BLOCKS			Completed
US	10/10/06	11/546,109	APPARATUS FOR BLOCK ASSEMBLY PROCESS			Abandoned
US	10/11/05	60/725,981	APPARATUS FOR BLOCK ASSEMBLY PROCESS			Expired
US	11/7/05	11/268,837	ASSEMBLY COMPRISING FUNCTIONAL DEVICES AND METHOD OF MAKING SAME	7,353,598	4/8/08	Issued
US	11/7/05	11/269,400	ASSEMBLY COMPRISING A FUNCTIONAL DEVICE AND A RESONATOR AND METHOD OF MAKING SAME	7,500,610	3/10/09	Issued
US	10/8/08	12/248,020	ASSEMBLY COMPRISING A FUNCTIONAL DEVICE AND A RESONATOR AND METHOD OF MAKING SAME	7,967,204	6/28/11	Issued
US	11/7/05	11/269,305	RFID STRAP CAPACITIVELY COUPLED AND METHOD OF MAKING SAME	7,551,141	6/23/09	Issued
EP	11/8/05	05851428.2	AN ASSEMBLY COMPRISING FUNCTIONAL DEVICES AND METHOD OF MAKING SAME			Pending
KR	11/8/05	10-2007-7012762	AN ASSEMBLY COMPRISING FUNCTIONAL DEVICES AND METHOD OF MAKING SAME			Abandoned
WO	11/8/05	PCT/US2005/040410	LOCAL PRINTING USED FOR STRAP MANUFACTURING			Expired
US	11/8/04	60/626,241	FUNCTIONAL ELECTRONIC DEVICES INCORPORATING PRINTED MATERIALS			Expired
US	5/11/05	11/127,697	METHOD AND APPARATUS FOR TESTING RFID DEVICES	7,301,458	11/27/07	Issued
US	10/30/07	11/929,632	METHOD AND APPARATUS FOR TESTING RFID DEVICES	7,522,055	4/21/09	Issued
US	1/30/08	12/022,933	METHOD AND APPARATUS FOR TESTING RFID DEVICES	7,659,822	2/9/10	Issued
EP	5/1/06	06752120.3	METHOD AND APPARATUS FOR TESTING RFID DEVICES			Abandoned
KR	5/1/06	10-2007-7028868	METHOD AND APPARATUS FOR TESTING RFID DEVICES			Abandoned
WO	5/1/06	PCT/US2006/016898	METHOD AND APPARATUS FOR TESTING RFID DEVICES			Expired
US	5/23/05	11/136,591	INTERROGATOR WITH HUMAN PRESENCE DETECTOR			Abandoned

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
US	3/1/05	11/070,477	MULTISTATIC ANTENNA CONFIGURATION FOR RADIO FREQUENCY IDENTIFICATION (RFID) SYSTEMS	7,265,675	9/4/07	Issued
US	7/25/07	11/828,322	MULTISTATIC ANTENNA CONFIGURATION FOR RADIO FREQUENCY IDENTIFICATION (RFID) SYSTEMS	7,554,451	6/30/09	Issued
US	5/29/09	12/475,166	MULTISTATIC ANTENNA CONFIGURATION FOR RADIO FREQUENCY IDENTIFICATION (RFID) SYSTEMS	8,350,701	1/8/13	Issued
US	12/28/12	13/730,035	MULTISTATIC ANTENNA CONFIGURATION FOR RADIO FREQUENCY IDENTIFICATION (RFID) SYSTEMS	8,922,375	12/30/2014	Issued
US	6/22/05	11/159,550	STRAP ASSEMBLY COMPRISING FUNCTIONAL BLOCK DEPOSITED THEREIN AND METHOD OF MAKING SAME	7,452,748	11/18/08	Issued
US	11/10/08	12/268,413	STRAP ASSEMBLY COMPRISING FUNCTIONAL BLOCK DEPOSITED THEREIN AND METHOD OF MAKING SAME			Abandoned
US	3/14/05	11/080,379	DISTANCE/RANGING DETERMINATION USING RELATIVE PHASE DATA	7,580,378	8/25/09	Issued
EP	3/10/06	06748335.4	DISTANCE RANGING DETERMINATION USING RELATIVE DATA			Abandoned
WO	3/10/06	PCT/US2006/008611	DISTANCE/ RANGING BY DETERMINATION OF RF PHASE DELTA			Expired
US	4/12/05	60/670,821	SIMPLIFYING RFID SYSTEMS			Expired
US	5/10/06	11/432,313	METHOD AND APPARATUS FOR RFID COMMUNICATION			Abandoned
US	5/16/05	60/681,656	TECHNIQUES FOR RADIO FREQUENCY IDENTIFICATION COMMUNICATION			Expired
US	7/18/06	11/489,149	RADIO FREQUENCY IDENTIFICATION WITH A SLOT ANTENNA	7,619,531	11/17/09	Issued
US	7/19/05	60/700,851	TECHNIQUES FOR RADIO FRQUENCY IDENTIFICATION WITH A SLOT ANTENNA			Expired
US	8/29/06	11/512,607	TECHNIQUES FOR FOLDED TAG ANTENNAS	7,598,867	10/6/09	Issued
US	9/1/05	60/713,898	TECHNIQUES FOR FOLDED TAG ANTENNAS			Expired
US	9/14/06	11/522,045	APPARATUSES AND METHOD FOR HIGH SPEED BONDING	7,576,656	8/18/09	Issued
US	9/15/05	60/717,793	APPARATUSES AND METHODS FOR HIGH SPEED BONDING			Expired
US	10/20/06	11/584,361	ADAPTIVE RFID DEVICES			Abandoned
US	10/20/05	60/729,144	ADAPTIVE RFID DEVICES			Expired

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
US	11/12/05	60/736,587	RFID SENSOR NETWORKING			Expired
US	2/12/07	11/706,046	DATABASE SEARCH WITH RFID			Abandoned
US	2/13/06	60/773,007	DATABASE SEARCH WITH RFID			Expired
US	10/11/06	11/546,683	BLOCK FORMATION PROCESSES			Abandoned
US	4/3/07	11/732,577	RFID ARTICLE WITH INTERLEAF			Abandoned
US	4/12/06	60/791,766	ROLLED RFIDS			Expired
US	5/31/07	11/809,610	BISTATIC TESTING OF RFID DEVICES			Abandoned
US	6/2/06	60/810,507	BISTATIC TESTING OF RFID DEVICES			Expired
US	2/8/08	12/028,722	TIERED RADIO FREQUENCY IDENTIFICATION			Pending
US	3/2/07	60/904,590	TIERED RADIO FREQUENCY IDENTIFICATION			Expired
US	5/7/02	10/141,489	INTEGRATED CIRCUITS WITH PERSISTENT DATA STORAGE	6,933,848	8/23/05	Issued
US	1/4/05	11/029,445	SYSTEM AND METHOD FOR DISABLING DATA ON RADIO FREQUENCY IDENTIFICATION TAGS	7,173,528	2/6/07	Issued
US	9/26/06	11/535,436	INTEGRATED CIRCUITS WITH PERSISTENT DATA STORAGE	7,411,503	8/12/08	Issued
US	5/31/01	60/294,952	RFID PRIVACY PROTECTION			Expired
US	5/7/02	10/140,552	SYSTEM AND METHOD FOR CONCURRENTLY ADDRESSING MULTIPLE RADIO FREQUENCY IDENTIFICATION TAGS FROM A SINGLE READER	6,952,157	10/4/05	Issued
US	4/7/09	12/420,009	SUBSET SELECTION OF RFID TAGS USING LIGHT	8,395,505	3/12/13	Issued
US	3/8/13	13/791,774	SUBSET SELECTION OF RFID TAGS USING LIGHT			Allowed
US	9/12/14	14/485,342	SUBSET SELECTION OF RFID TAGS USING LIGHT			Pending
CN	4/7/09	200980121339.4	SUBSET SELECTION OF RFID TAGS USING LIGHT	ZL200980121339.4	11/20/13	Issued
CN	4/7/09	201310481844.8	SUBSET SELECTION OF RFID TAGS USING LIGHT			Pending
EP	4/7/09	09760037.3	SUBSET SELECTION OF RFID TAGS USING LIGHT			Abandoned
EP	4/7/09	10015155.4	SUBSET SELECTION OF RFID TAGS USING LIGHT			Pending
HK	8/18/14	14108416.3	SUBSET SELECTION OF RFID TAGS USING LIGHT			Pending
WO	4/7/09	PCT/US2009/039826	SUBSET SELECTION OF RFID TAGS USING LIGHT			Expired
US	4/8/08	61/123,410	SUBSET SELECTION OF RFID TAGS USING LIGHT			Expired
US	11/12/09	12/617,534	NOISE CANCELLATION FOR RFID BACKSCATTER	8,340,581	12/25/12	Issued
US	11/13/08	61/114,429	NOISE CANCELLATION FOR RFID BACKSCATTER			Expired
US	1/20/12	13/355,422	TUNNELING CURRENTS FOR PERSISTENT NODE	8,844,830	9/30/14	Issued
CN	1/18/13	201310158996.4	TUNNELING CURRENTS FOR PERSISTENT NODE			Pending

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
US	9/25/2014	14/497,241	PERSISTENT NODES FOR RFID			Pending
HK	3/31/14	14103080.9	TUNNELING CURRENTS FOR PERSISTENT NODE			Pending
US	1/20/12	13/355,454	DYNAMIC ANALOG AUTHENTICATION			Pending
CN	1/18/13	201310079422.8	DYNAMIC ANALOG AUTHENTICATION			Pending
HK	1/29/14	14100937	DYNAMIC ANALOG AUTHENTICATION			Pending
US	1/20/12	13/355,457	ELECTRONIC ARTICLE SURVEILLANCE	8,810,402	8/19/14	Issued
CN	1/18/13	201310122273.9	ELECTRONIC ARTICLE SURVEILLANCE			Pending
HK	1/29/14	14100938	ELECTRONIC ARTICLE SURVEILLANCE			Pending
US	1/20/12	13/355,432	SIMULTANEOUS PROGRAMMING OF SELECTED TAGS			Pending
CN	1/18/13	201310111224.5	SIMULTANEOUS PROGRAMMING OF SELECTED TAGS			Pending
HK	3/31/14	14103081.8	SIMULTANEOUS PROGRAMMING OF SELECTED TAGS			Pending
US	7/24/14	14/340,457	SIMULTANEOUS PROGRAMMING OF SELECTED TAGS			Pending
US	7/26/13	61/859,142	SIMULTANEOUS PROGRAMMING OF SELECTED TAGS			Expired
US	12/28/12	13/730,366	RFID PROTOCOLS WITH NON-INTERACTING VARIANTS			Pending
CN	1/18/13	201310086335.5	RFID PROTOCOLS WITH NON-INTERACTING VARIANTS			Pending
HK	1/7/14	14100124.3	RFID PROTOCOLS WITH NON-INTERACTING VARIANTS			Pending
US	1/20/12	61/589,222	RFID PROTOCOLS WITH NON-INTERACTING VARIANTS			Expired
US	7/23/14	14/339,194	DOUBLE LOOP INDUCTOR RFID			Pending
US	7/24/13	61/858,074	DOUBLE LOOP INDUCTOR RFID			Expired
US	2/21/01	10/204,090	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)	6,779,733	8/24/04	Issued
CN	2/21/01	01805481.1	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)	ZL01805481.1	5/11/05	Issued
DE	2/21/01	60137117.8	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)	1258370	12/24/08	Issued
DE	2/21/01	60144452.3	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)	1843280	4/13/11	Issued

COUNTRY	DATE FILED	APPLICATION NO.	TITLE	PATENT NO.	ISSUE DATE	STATUS
EP	2/21/01	01906168.8	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)	1258370	12/24/08	Issued
EP	2/21/01	07075543.4	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)	1843280	4/13/11	Issued
FR	2/21/01	01906168.8	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)	1258370	12/24/08	Issued
FR	2/21/01	07075543.4	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)	1843280	4/13/11	Issued
GB	2/21/01	01906168.8	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)	1258370	12/24/08	Issued
GB	2/21/01	07075543.4	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)	1843280	4/13/11	Issued
JP	2/21/01	2002-194997	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)	3729491	10/14/05	Issued
KR	2/21/01	10-2002-7010730	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)	732648	6/20/07	Issued
WO	2/21/01	PCT/JP2001/001253	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)			Expired
SG	2/21/01	200204805-6	NONCONTACT ID CARD OR THE LIKE AND METHOD OF MANUFACTURING THE SAME (STRAP ATTACH PROCESS)	91007	11/30/04	Lapsed