

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2870431

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PANASONIC CORPORATION	12/12/2013

RECEIVING PARTY DATA

Name:	COLLABO INNOVATIONS, INC.
Street Address:	303 TERRY FOX DRIVE, SUITE 300
City:	OTTAWA
State/Country:	CANADA
Postal Code:	K2K 3J1

PROPERTY NUMBERS Total: 494

Property Type	Number
Patent Number:	5453757
Patent Number:	5648791
Patent Number:	5434437
Patent Number:	5491512
Patent Number:	5508967
Patent Number:	6025210
Patent Number:	5869854
Patent Number:	5796154
Patent Number:	6030852
Patent Number:	5976907
Patent Number:	5717249
Patent Number:	5796165
Patent Number:	5817551
Patent Number:	5905284
Patent Number:	5952714
Patent Number:	5909643
Patent Number:	5874935
Patent Number:	6005350
Patent Number:	5977613
Patent Number:	6187614
Patent Number:	5841389

PATENT

Property Type	Number
Patent Number:	6047371
Patent Number:	6330365
Patent Number:	6140690
Patent Number:	6215174
Patent Number:	6335223
Patent Number:	6512543
Patent Number:	7397508
Patent Number:	6043534
Patent Number:	6088208
Patent Number:	6069501
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Patent Number:	6370200
Patent Number:	6219072
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Patent Number:	6362019
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Patent Number:	7768891
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Patent Number:	6359326
Patent Number:	6373124
Patent Number:	6604201
Patent Number:	RE39341
Patent Number:	6473373
Patent Number:	6721246
Patent Number:	6925038
Patent Number:	6297675
Patent Number:	6498519
Patent Number:	6907088
Patent Number:	6294903
Patent Number:	6424131

PATENT

Property Type	Number
Patent Number:	6469647
Patent Number:	6350631
Patent Number:	6440774
Patent Number:	6738413
Patent Number:	6522341
Patent Number:	6903375
Patent Number:	6392485
Patent Number:	6516285
Patent Number:	6777932
Patent Number:	6861839
Patent Number:	7049812
Patent Number:	7031946
Patent Number:	7187692
Patent Number:	6772953
Patent Number:	6954889
Patent Number:	7233551
Patent Number:	6509641
Patent Number:	6787398
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Patent Number:	6538480
Patent Number:	6600683
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PATENT

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Patent Number:	7863661
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Patent Number:	7796176

PATENT

Property Type	Number
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Patent Number:	8065919
Patent Number:	8411544
Patent Number:	8421424
Patent Number:	8242765
Patent Number:	6924540
Application Number:	13798578

PATENT

Property Type	Number
Application Number:	13339481
Application Number:	13592792
Patent Number:	5739548
Patent Number:	7282894
Patent Number:	7834926

CORRESPONDENCE DATA

Fax Number:

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: 613-288-3258

Email: gplaunt@wilan.com

Correspondent Name: COLLABO INNOVATIONS, INC.

Address Line 1: 303 TERRY FOX DRIVE, SUITE 300

Address Line 4: OTTAWA, CANADA K2K 3J1

NAME OF SUBMITTER:	GRAHAME PLAUNT
SIGNATURE:	//GRAHAME PLAUNT//
DATE SIGNED:	05/26/2014

Total Attachments: 35

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CONFIDENTIAL


Schedule B
TRANSFER ASSIGNMENT DOCUMENTS

Panasonic Corporation, a Japanese corporation having a place of business at 1006 Oaza, Kadoma, Kadoma City, Osaka 571-8501, Japan ("Assignor"), hereby irrevocably assigns to Collabo Innovations, Inc., a company having a place of business at 303 Terry Fox Drive, Suite 300, Ottawa, Ontario, K2K 3J1, Canada ("Assignee"), as of the date set forth below, the entire right, title and interest for the United States of America and its territorial possessions, and all foreign countries including all rights of priority, in inventions disclosed in the patents and patent applications identified on Appendix I, together with all issued patents, rights to inventions and pending and future applications for patents under U.S. law or regulation, or of any foreign country, with respect to the patentable inventions from which any of the foregoing arise, including without limitation, divisions, continuations, continuations-in-part, substitutions, reexaminations, reissues, extensions or foreign counterparts therefrom the (collectively, the "Assigned Patents"), and all causes of action, rights, and remedies arising under any such Assigned Patent prior to, on or after the Effective Date of this Agreement, and all claims for damages by reason of past, present or future infringement or other unauthorized use of such Assigned Patents with the right to sue for and collect such damages.

Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention which may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the entire interest therein.

IN WITNESS WHEREOF, Assignor has caused its duly authorized representatives to execute this Assignment.

Panasonic Corporation

By: 
Name: Ikuo Terauchi
Title: Authorized Signing Officer
Date: December 13, 2013

PATENT ASSIGNMENT AGREEMENT

CONFIDENTIAL

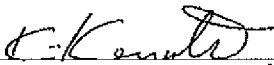
ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Ikuo Terauchi to the above TRANSFER ASSIGNMENT DOCUMENTS on behalf of Panasonic Corporation and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation if called upon to do so.
2. Ikuo Terauchi is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on December 12, 2013 to execute the above Transfer Assignment Document on behalf of Panasonic Corporation.
3. Ikuo Terauchi executed the above Transfer Assignment Document on behalf of Panasonic Corporation.

I declare under penalty of perjury under the laws of the United States of America that the statements made above in this Attestation are true and correct.

EXECUTED on December 12, 2013

Signature: 
Print Name: KENJI KAMATA

CONFIDENTIAL

Schedule 1
Patents

Seller Family Number	Seller Number	Country	Application Number	Publication Number	Patent Number	Status
GP009598	P00959801	US	07/872820			Abandoned
GP009598	P00959804	US	08/391616		5453757	Expired
GP009598	P00959805	US	08/455348		5648791	Issued
GP009598	P00959802	KR	1992-0007048		10-107777	Expired
GP009598	P00959807	DE	69214872.8	0510696	0510696	Abandoned
GP009598	P00959803	TW	81103283		59818	Abandoned
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GP009598	P32836201	JP	H03-189913			Abandoned
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GP009598	P33912501	JP	H04-040913	H05-094159	02743683	Expired
GP011140	P01114001	US	08/154352		5434437	Issued
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GP011186	P01118602	US	08/416437		5491512	Issued
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PATENT ASSIGNMENT AGREEMENT

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Seller Family Number	Seller Number	Country	Application Number	Publication Number	Patent Number	Status
GP012844	P38451601	JP	H07-198874	H08-107195	03729537	Abandoned
GP012942	P01294201	US	08/522131		5796154	Issued
GP012942	P01294205	US	08/764449		6030852	Issued
GP012942	P01294202	KR	1995-0044593		10-0213422	Abandoned
GP012942	P01294207	DE	69503473.1	0744778	0744778	Abandoned
GP012942	P01294204	TW	84109260		087879	Abandoned
GP012942	P01294206	GB	95114081.3	0744778	0744778	Abandoned
GP012942	P01294208	FR	95114081.3	0744778	0744778	Abandoned
GP012942	P01294209	NL	95114081.3	0744778	0744778	Abandoned
GP012942	P012942E0	EPC	95114081.3	0744778	0744778	Abandoned
GP012942	P01294203	CN	95121194.3	1134040	95121194.3	Abandoned
GP012942	P38181701	JP	H07-122866	H08-316448	03405620	Abandoned
GP013631	P01363101	US	08/640050		5739548	Issued
GP013631	P01363105	US	09/005048		5976907	Issued
GP013631	P01363103	KR	1996-0013067	1996-0043786		Abandoned
GP013631	P01363104	TW	85105144		088536	Abandoned
GP013631	P01363102	CN	96104498.5	1159607		Abandoned
GP013631	P013631E0	EPC	96106915.0	0741418		Abandoned
GP013631	P38120801	JP	H07-108390			Abandoned
GP013631	P39273601	JP	H08-099730	H09-022995	03672663	Issued
GP013671	P01367101	US	08/627656		5717249	Issued
GP013671	P38032001	JP	H07-080154			Abandoned
GP013671	P39215401	JP	H08-081600	H08-335836	03515854	Issued
GP013671	P01367102	KR	PA96-10150	1996-0039602	10-197187	Abandoned
GP013672	P01367201	US	08/638264		5796165	Issued
GP013672	P01367202	KR	1996-13253	1997-0067892	10-367936	Abandoned
GP013672	P37985301	JP	H07-060760			Abandoned
GP013672	P39169001	JP	H08-062368	H08-321567	03235452	Abandoned
GP013871	P01387101	US	08/701913		5817551	Issued
GP013871	P01387102	US	08/859366		5905284	Issued
GP013871	P013871E0	EPC	96113555.5	0789401		Abandoned
GP013871	P38492601	JP	H07-217227	H09-064218	03351193	Abandoned
GP013871	P38540901	JP	H07-231189			Abandoned
GP013871	P39673501	JP	H08-217284	H09-134965	03372773	Issued
GP013943	P01394306	CN	02141951.5	1536659		Abandoned
GP013943	P01394307	HK	05101253.5	1069013		Abandoned
GP013943	P01394302	US	08/809845		5952714	Issued
GP013943	P01394304	KR	1998-700742			Abandoned
GP013943	P01394309	DE	69636920.6	0790652	0790652	Abandoned
GP013943	P01394301	TW	85109460		116151	Issued
GP013943	P01394303	CN	96196024.8	1192289	96196024.8	Abandoned
GP013943	P01394308	GB	96925131.3	0790652	0790652	Abandoned
GP013943	P013943E0	EPC	96925131.3	0790652	0790652	Abandoned
GP013943	P38440901	JP	H07-197365			Abandoned
GP013943	P01394305	JP	H09-507469	H09-805660		Abandoned
GP013943	P013943P0	PCT	PCT/JP96/002142	WO1997/005660		Abandoned
GP014073	P01407301	US	08/722856		5909643	Issued
GP014073	P01407303	KR	1996-0049385			Abandoned
GP014073	P01407302	CN	96122020.1	1154610	96122020.1	Abandoned
GP014073	P38807601	JP	H07-306153	H09-148852		Abandoned
GP014259	P01425901	US	08/744808		5874935	Issued
GP014259	P01425905	DE	69634846.2	0774747	0774747	Abandoned
GP014259	P01425903	TW	85113120		89812	Abandoned
GP014259	P01425904	GB	96117757.3	0774747	0774747	Abandoned
GP014259	P01425906	FR	96117757.3	0774747	0774747	Abandoned
GP014259	P014259E0	EPC	96117757.3	0774747	0774747	Abandoned
GP014259	P38740901	JP	H07-286955			Abandoned
GP014259	P39909101	JP	H08-292323	H09-189896		Abandoned
GP014259	P01425902	KR	PA96-51983		10-238574	Abandoned
GP014441	P01444101	US	08/825136		6072477	Abandoned
GP014441	P01574401	US	09/027623		6005350	Issued
GP014441	P01444102	DE	19721675.7	19721675		Abandoned
GP014441	P01444103	KR	1997-0017059	1998-0010988	10-0458037	Abandoned
GP014441	P01444105	FR	9707525		9707525	Abandoned

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GP014441	P01444104	CN	97110910.9	1170276	97110910.9	Abandoned
GP014441	P39560601	JP	H08-180318			Abandoned
GP014441	P40260701	JP	H09-038856	H10-079296	03236236	Abandoned
GP014441	P41266601	JP	H09-331714	H11-162638	03292827	Issued
GP014611	P014611E1	EPC	04030843.9	1517371		Abandoned
GP014611	P014611E2	EPC	04030844.7	1517372		Abandoned
GP014611	P01461101	US	08/811606		5977613	Issued
GP014611	P01461105	US	09/379623		6187614	Issued
GP014611	P01461106	US	09/431129			Abandoned
GP014611	P01461102	CN	97102926.1	1163478	97102926.1	Issued
GP014611	P014611E0	EPC	97103756.9	0794572		Abandoned
GP014611	P39128101	JP	H08-049965			Abandoned
GP014611	P40275801	JP	H09-045347	H09-298256	03209696	Abandoned
GP014698	P01469801	US	08/833965		5841389	Issued
GP014698	P40406402	JP	2001-041260	2001-257590	03574623	Issued
GP014698	P39249701	JP	H08-093916			Abandoned
GP014698	P39605201	JP	H08-192263			Abandoned
GP014698	P40406401	JP	H09-086602	H10-093435	03181532	Issued
GP015228	P01522801	US	08/907953		6047371	Issued
GP015228	P01522802	KR	1997-0040218		10-0549705	Abandoned
GP015228	P015228E0	EPC	97114599.0	0825528		Abandoned
GP015228	P39688101	JP	H08-222119	H10-063500		Abandoned
GP015553	P01555301	US	08/962043		6330365	Issued
GP015553	P01555303	KR	1997-0057470		10-289519	Abandoned
GP015553	P01555304	TW	86116162		111189	Abandoned
GP015553	P015553E0	EPC	97118910.5	0840517		Abandoned
GP015553	P01555302	CN	97125978.X	1193849	97125978.X	Abandoned
GP015553	P39898401	JP	H08-289520			Abandoned
GP015553	P41138701	JP	H09-300021	H10-191258	03045696	Abandoned
GP015623	P01562301	US	08/972060		6140690	Issued
GP015623	P41182302	JP	2001-087091	2001-313341	04146619	Issued
GP015623	P39947901	JP	H08-306483			Abandoned
GP015623	P41182301	JP	H09-308687	H10-199988	03215364	Issued
GP015693	P01569301	US	09/009232		6215174	Issued
GP015693	P01569302	US	09/339422		6335223	Issued
GP015693	P40147101	JP	H09-007610			Abandoned
GP015693	P41409201	JP	H10-009086	H10-261751	02954561	Issued
GP015776	P01577601	US	09/038903		6512543	Issued
GP015776	P01577605	US	10/336786	2003-0179304	7397508	Issued
GP015776	P01577604	US	10/336787	2003-0103154		Abandoned
GP015776	P01577603	KR	1998-0008610	1998-0080259	10-0551389	Issued
GP015776	P40328902	JP	2005-178785	2005-304084		Abandoned
GP015776	P01577602	TW	87103796		116534	Issued
GP015776	P015776E0	EPC	98104617.0	0865197		Abandoned
GP015776	P40328901	JP	H09-060332	H10-257392		Abandoned
GP015821	P01582101	US	09/052142		6043534	Issued
GP015821	P01582103	KR	1998-0045366		10-0517410	Abandoned
GP015821	P015821E0	EPC	98105423.2	0915517		Abandoned
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GP015821	P41157201	JP	H09-302705	H11-145313	03175923	Abandoned
GP016132	P01613201	US	09/050145		6088208	Issued
GP016132	P41678802	JP	2003-109655	2003-338555		Abandoned
GP016132	P01613202	DE	69825095.8	0869342	0869342	Abandoned
GP016132	P01613203	IT	98105847.2	0869342	0869342	Abandoned
GP016132	P016132E0	EPC	98105847.2	0869342	0869342	Abandoned
GP016132	P40388101	JP	H09-080140			Abandoned
GP016132	P41678801	JP	H10-087483		03431127	Abandoned
GP016286	P01628601	US	09/059214		6069501	Issued
GP016286	P01628603	KR	1998-13544		10-282997	Abandoned
GP016286	P01628602	CN	98108887.2	1208857	98108887.2	Abandoned
GP016286	P40449101	JP	H09-099201	H10-290144		Abandoned
GP016618	P01661801	US	09/102581		5973558	Issued
GP016618	P01661803	KR	1998-0028640		10-0523649	Abandoned
GP016618	P40775902	JP	2002-326199	2003-163551	03725117	Abandoned

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Seller Family Number	Seller Number	Country	Application Number	Publication Number	Patent Number	Status
GP016618	P01661802	TW	87111434		134248	Abandoned
GP016618	P01661804	CN	98116108.1	1205576	98116108.1	Abandoned
GP016618	P40775901	JP	H09-188827	H11-041039	03398573	Abandoned
GP016682	P01668201	US	09/127893		6370200	Issued
GP016682	P01668202	KR	1998-0031708	1999-0023345	10-0546924	Abandoned
GP016682	P01668203	TW	87112785		119178	Abandoned
GP016682	P01668204	CN	98103474.8	1212399	98103474.8	Abandoned
GP016682	P40845501	JP	H09-209347			Abandoned
GP016682	P42133701	JP	H10-212959	H11-112485	03209720	Abandoned
GP016935	P01693501	US	09/160860		6219072	Issued
GP016935	P41001101	JP	H09-263118	H11-102352	03653951	Abandoned
GP017181	P01718101	US	09/295061		6166405	Issued
GP017181	P41775101	JP	H10-113357			Abandoned
GP017181	P42204001	JP	H10-235826	2000-012822	03103064	Issued
GP017182	P01718201	US	09/290122		6351003	Issued
GP017182	P01718202	US	09/534865		6362019	Issued
GP017182	P41771001	JP	H10-112238			Abandoned
GP017182	P42204101	JP	H10-235827	2000-012823	02921567	Issued
GP017200	P01720001	US	09/206953		6459667	Issued
GP017200	P01720004	US	10/218409	2002-0191509	6643235	Issued
GP017200	P01720008	US	10/651033	2004-0037186	7035183	Issued
GP017200	P01720010	US	11/035272	2005-0122866	7292510	Issued
GP017200	P01720011	US	11/377189	2006-0245319	7515512	Issued
GP017200	P01720015	US	11/641886	2007-0091748	7508741	Issued
GP017200	P01720016	US	11/798713	2008-0037388	7768891	Issued
GP017200	P01720017	US	12/320774	2009-0147641		Abandoned
GP017200	P01720003	KR	1998-53982		10-282387	Abandoned
GP017200	P01720009	CN	200410003222.5	1555057	200410003222.5	Abandoned
GP017200	P41289102	JP	2004-188714	2004-327031	03786279	Issued
GP017200	P41289103	JP	2004-188715	2004-327032	03786280	Issued
GP017200	P41289104	JP	2005-036816	2005-174547		Abandoned
GP017200	P01720014	CN	200610095794.X	1920969		Abandoned
GP017200	P01720013	CN	200610101709.6	1901050		Abandoned
GP017200	P01720012	CN	200610101714.7	1881429		Abandoned
GP017200	P01720006	DE	69809178.7	0923070	0923070	Abandoned
GP017200	P01720002	CN	98123092.X	1219730	98123092.X	Abandoned
GP017200	P01720005	GB	98123410.7	0923070	0923070	Abandoned
GP017200	P01720007	FR	98123410.7	0923070	0923070	Abandoned
GP017200	P01720008	EPC	98123410.7	0923070	0923070	Abandoned
GP017200	P41289101	JP	H09-338823	H11-176100	03983871	Issued
GP017453	P01745301	US	09/241421		6630957	Issued
GP017453	P41458001	JP	H10-021682	H11-220663		Abandoned
GP020130	P02013001	US	09/287310		6552402	Issued
GP020130	P02013002	CN	99105495.4	1231512	99105495.4	Abandoned
GP020130	P41714501	JP	H10-097242			Abandoned
GP020130	P43099001	JP	H11-099246	2000-036582	03523521	Issued
GP021147	P02114709	NL	02016041.2	1276150	1276150	Issued
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GP021147	P02114705	CN	03140905.9	1501485	03140905.9	Issued
GP021147	P02114701	US	09/415121	2002-0130405	6779264	Issued
GP021147	P02114704	US	09/834153	2001-0011598	6504097	Issued
GP021147	P02114706	DE	69918038.4	1005085	1005085	Issued
GP021147	P02114708	DE	69935016.6	1276150	1276150	Issued
GP021147	P02114703	TW	88117501		127680	Issued
GP021147	P02114707	NL	99120581.6	1005085	1005085	Issued
GP021147	P021147E0	EPC	99120581.6	1005085	1005085	Abandoned
GP021147	P02114702	CN	99124466.4	1254932	99124466.4	Issued
GP021147	P42544101	JP	H10-329889	2000-156433	03334864	Issued
GP021148	P02114801	US	09/401724		6359326	Issued
GP021148	P42393101	JP	H10-290425	2000-124323	03431517	Issued
GP021210	P02121001	US	09/377467		6373124	Issued
GP021210	P42207901	JP	H10-237659	2000-068432	03051376	Issued
GP021265	P02126501	US	09/428277		6604201	Issued
GP021265	P42454601	JP	H10-306601			Abandoned

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Seller Family Number	Seller Number	Country	Application Number	Publication Number	Patent Number	Status
GP021265	P43906701	JP	H11-298071	2000-201166	03131204	Abandoned
GP021571	P02157101	US	09/454135		6285138	Abandoned
GP021571	P02157103	US	10/654857		RE39341	Issued
GP021571	P02157104	CN	200410056726.3	1575086		Abandoned
GP021571	P02157102	CN	99124777.9	1256608	99124777.9	Issued
GP021571	P42622301	JP	H10-374974			Abandoned
GP021571	P44095401	JP	H11-344332	2000-231997	03315385	Issued
GP021845	P02184507	GB	00101567.6	1024481	1024481	Abandoned
GP021845	P02184508	FR	00101567.6	1024481	1024481	Abandoned
GP021845	P021845E0	EPC	00101567.6	1024481	1024481	Abandoned
GP021845	P02184501	US	09/492269		6473373	Issued
GP021845	P02184502	US	10/238587	2003-0012097	6721246	Issued
GP021845	P02184505	US	10/700442	2004-014430		Abandoned
GP021845	P02184504	US	10/700452	2004-0090877		Abandoned
GP021845	P02184503	US	10/700460	2004-0090878		Abandoned
GP021845	P02184506	US	10/779644	2004-0160864	6925038	Issued
GP021845	P44288301	JP	2000-017489	2000-285489	03522622	Issued
GP021845	P44288302	JP	2003-078163	2003-296948		Abandoned
GP021845	P02184509	DE	60038754.2	1024481	1024481	Abandoned
GP021845	P42790501	JP	H11-018363			Abandoned
GP021885	P02188501	US	09/478530		6297675	Issued
GP021885	P42723701	JP	H11-002136	2000-200124	03592943	Abandoned
GP021897	P02189701	US	09/498339		6498519	Issued
GP021897	P44296601	JP	2000-019637	2000-293240	03319732	Issued
GP021897	P42840401	JP	H11-028520			Abandoned
GP022049	P02204902	CN	00130436.4	1289188	00130436.4	Issued
GP022049	P02204906	GB	00308205.4	1087333	1087333	Issued
GP022049	P02204908	FR	00308205.4	1087333	1087333	Issued
GP022049	P02204909	IT	00308205.4	1087333	1087333	Abandoned
GP022049	P02204910	NL	00308205.4	1087333	1087333	Abandoned
GP022049	P022049E0	EPC	00308205.4	1087333	1087333	Abandoned
GP022049	P02204905	HK	01105005.1	1036138		Abandoned
GP022049	P02204901	US	09/665133		6907088	Issued
GP022049	P02204903	KR	2000-0055666	2001-0050578		Abandoned
GP022049	P02204907	DE	60042674.2	1087333	1087333	Issued
GP022049	P02204904	TW	89119509		160568	Abandoned
GP022049	P43781001	JP	H11-268632	2001-092938	03931500	Issued
GP022473	P02247301	US	09/546507		6294903	Issued
GP022473	P43138201	JP	H11-107805	2000-308335	03300683	Issued
GP022595	P02259504	CN	00801705.0	1320300	00801705.0	Issued
GP022595	P02259506	GB	00937268.1	1115203	1115203	Abandoned
GP022595	P02259507	FR	00937268.1	1115203	1115203	Abandoned
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GP022595	P02259502	US	09/762890		6424131	Issued
GP022595	P02259505	JP	2001-505136	2000-879682	04355463	Issued
GP022595	P02259503	KR	2001-7001957	2001-0085395	10-360325	Abandoned
GP022595	P02259508	DE	60031762.5	1115203	1115203	Abandoned
GP022595	P02259501	TW	89111948		143012	Abandoned
GP022595	P43423901	JP	H11-172071			Abandoned
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GP022597	P02259703	CN	00804099.0	1341293	00804099.0	Issued
GP022597	P02259704	US	09/913519		6469647	Issued
GP022597	P02259702	TW	89116715		155760	Abandoned
GP022597	P44171901	JP	H11-362747	2001-177410	03281621	Issued
GP022597	P022597P0	PCT	PCT/JP00/003883	WO2001/047123		Abandoned
GP022641	P022641E0	EPC	00110690.5	1056126	1056126	Abandoned
GP022641	P02264102	CN	00117925.X	1290962	00117925.X	Issued
GP022641	P02264101	US	09/578438		6350631	Issued
GP022641	P02264104	US	09/845568		6440774	Issued
GP022641	P44799001	JP	2000-139072	2001-148392	03901427	Issued
GP022641	P02264105	DE	60043560.1	1056126	1056126	Issued
GP022641	P02264103	TW	89109328		1234840	Issued
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GP022641	P43707701	JP	H11-251149			Abandoned

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Seller Family Number	Seller Number	Country	Application Number	Publication Number	Patent Number	Status
GP022754	P02275402	GB	00108666.9	1047221	1047221	Abandoned
GP022754	P02275404	FR	00108666.9	1047221	1047221	Abandoned
GP022754	P02275405	NL	00108666.9	1047221	1047221	Abandoned
GP022754	P022754E0	EPC	00108666.9	1047221	1047221	Abandoned
GP022754	P02275401	US	09/557442		6738413	Issued
GP022754	P02275403	DE	60026636.2	1047221	1047221	Abandoned
GP022754	P43170701	JP	H11-113705	2000-307477		Abandoned
GP022833	P02283301	US	09/580970		6522341	Issued
GP022833	P44858401	JP	2000-152599	2001-053956	03380859	Issued
GP022833	P43344701	JP	H11-154544			Abandoned
GP023277	P02327701	US	09/613795		6903375	Issued
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GP023574	P02357401	US	09/663388		6392485	Issued
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GP031566	P03156602	CN	03158979.0	1495772	03158979.0	Issued
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GP031566	P48521901	JP	2002-275597			Abandoned

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Seller Family Number	Seller Number	Country	Application Number	Publication Number	Patent Number	Status
GP031566	P50009701	JP	2003-324194	2004-134062		Abandoned
GP031608	P03160802	CN	03124979.5	1492690	03124979.5	Issued
GP031608	P03160801	US	10/662515	2004-0057519	7292634	Issued
GP031608	P48527001	JP	2002-277191			Abandoned
GP031608	P49742201	JP	2003-272471	2004-140794	04362327	Issued
GP031633	P03163305	GB	03021542.0	1473775	1473775	Abandoned
GP031633	P03163306	FR	03021542.0	1473775	1473775	Abandoned
GP031633	P031633E0	EPC	03021542.0	1473775	1473775	Abandoned
GP031633	P03163302	CN	03159836.6	1542983	03159836.6	Abandoned
GP031633	P03163301	US	10/669229	2004-0214369	6864117	Issued
GP031633	P03163303	KR	2003-0067841	2004-0093361	10-0576765	Abandoned
GP031633	P49428601	JP	2003-123842	2004-327917	03729817	Issued
GP031633	P03163307	DE	60316664.4	1473775	1473775	Abandoned
GP031633	P03163304	TW	92126171	200423389	1309084	Abandoned
GP031639	P03163902	CN	03157340.1	1527611	03157340.1	Issued
GP031639	P03163901	US	10/644854	2004-0175049	7257262	Issued
GP031639	P49164301	JP	2003-057199	2004-266731	03934568	Issued
GP031646	P03164604	US	10/542342	2006-0120252	7995448	Issued
GP031646	P49275601	JP	2003-086368			Abandoned
GP031646	P49927601	JP	2003-305210			Abandoned
GP031646	P03164603	CN	200480001572.6	1717726	200480001572.6	Issued
GP031646	P03164602	JP	2005-504301	2004-886385	04125753	Issued
GP031646	P03164605	CN	200710091802.8	101064133	200710091802.8	Issued
GP031646	P03164606	CN	200910169186.2	101673563		Abandoned
GP031646	P03164601	TW	93108227	200501126		Abandoned
GP031646	P031646P0	PCT	PCT/JP04/004251	WO2004/086385		Abandoned
GP031758	P031758E0	EPC	03789624.8			Abandoned
GP031758	P03175801	US	10/541371	2006-0164545	7599563	Issued
GP031758	P48957701	JP	2003-005650			Abandoned
GP031758	P03175803	CN	200380110044.X	1757241		Abandoned
GP031758	P03175804	JP	2004-566293	2006-513629	04275629	Abandoned
GP031758	P03175802	KR	2005-7012943			Abandoned
GP031758	P031758P0	PCT	PCT/JP03/016511	WO2004/064392		Abandoned
GP031835	P03183501	US	10/748158	2004-0262634	6903388	Issued
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GP031835	P49696001	JP	2003-186827			Abandoned
GP031835	P50102301	JP	2003-348750	2005-039169		Abandoned
GP031835	P03183502	CN	200410031807.8	1577883	200410031807.8	Issued
GP031835	P50102302	JP	2007-126093	2007-201513	04818985	Issued
GP031871	P03187101	US	10/787596	2004-0189498	7154424	Issued
GP031871	P49151301	JP	2003-053624			Abandoned
GP031871	P50727401	JP	2004-054812	2004-281036	04230937	Issued
GP031871	P50727402	JP	2008-263572	2009-054277	04785007	Issued
GP031920	P03192001	US	10/734369	2004-0124923	6972619	Issued
GP031920	P48884201	JP	2002-364865			Abandoned
GP031920	P03192002	CN	200310125460.9	1514250	200310125460.9	Issued
GP031920	P50403901	JP	2003-413819	2004-215241	03836104	Issued
GP031920	P03192003	CN	200810085369.1	101308160		Abandoned
GP031921	P03192101	US	10/730839			Abandoned
GP031921	P03192103	US	11/054796	2005-0134366	7046077	Issued

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GP031921	P49084701	JP	2003-036431	2004-248014		Abandoned
GP031921	P03192102	CN	200310120128.3	1521943		Abandoned
GP031924	P03192404	US	10/510388	2005-0151587	7116170	Issued
GP031924	P03192405	US	11/518919	2007-0001761	7215195	Issued
GP031924	P03192406	US	11/730976	2007-0182487	7271652	Issued
GP031924	P48591801	JP	2002-295098	2004-134871	03990966	Issued
GP031924	P03192403	CN	200380100582.0	1692551	200380100582.0	Issued
GP031924	P48591802	JP	2007-117331	2007-195262	04388096	Issued
GP031924	P031924P0	PCT	PCT/JP03/012922	WO2004/034576		Abandoned
GP031930	P03193001	US	10/793342	2004-0232874	6906489	Issued
GP031930	P49179501	JP	2003-062052	2004-274880	03965127	Issued
GP031930	P03193002	CN	200410008011.0	1531188	200410008011.0	Issued
GP032022	P032022E0	EPC	04002555.3	1445857		Abandoned
GP032022	P03202201	US	10/767278	2004-0185814	7245895	Issued
GP032022	P03202203	US	11/758528	2007-0232252	7454182	Issued
GP032022	P49061701	JP	2003-029694	2004-242082	03934067	Abandoned
GP032022	P03202202	CN	200410004810.0	1520217	200410004810.0	Abandoned
GP032094	P032094E0	EPC	03028584.5	1450410		Abandoned
GP032094	P03209401	US	10/731461	2004-0165092	7304286	Issued
GP032094	P49123301	JP	2003-044997	2004-253737	03635279	Issued
GP032094	P03209404	KR	2004-0003311	2004-0075709	10-0589736	Abandoned
GP032094	P03209402	CN	200410005888.4	1523673	200410005888.4	Abandoned
GP032094	P03209403	TW	92134540	200419791		Abandoned
GP032095	P032095E0	EPC	04002910.0	1455389		Abandoned
GP032095	P03209501	US	10/742419	2004-0173824	7157754	Issued
GP032095	P03209505	US	11/292835	2006-0076582	7358105	Issued
GP032095	P49159101	JP	2003-056224	2004-266159	03621400	Issued
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GP032095	P03209502	CN	200410007438.9	1527394	200410007438.9	Abandoned
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GP032096	P032096E0	EPC	04001469.8	1455395		Abandoned
GP032096	P03209603	TW	092137589	200419793	1332705	Issued
GP032096	P03209601	US	10/753954			Abandoned
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GP032096	P03209606	US	11/529256	2007-0030372	7688373	Issued
GP032096	P03209608	US	12/715884	2010-0157123	7944493	Issued
GP032096	P03209610	US	12/720549	2010-0165162	8004026	Issued
GP032096	P03209609	US	12/720554	2010-0163712	8017983	Issued
GP032096	P03209611	US	13/185199	2011-0272751	8299512	Issued
GP032096	P03209612	US	13/626612	2013-0020621		Issued
GP032096	P49184901	JP	2003-062282	2004-273759	03794637	Issued
GP032096	P03209604	KR	2004-0005362	2004-0080337	10-1045117	Issued
GP032096	P03209602	CN	200410005238.X	1527393	200410005238.X	Issued
GP032096	P49184902	JP	2005-356455	2006-141052	04330579	Issued
GP032096	P03209607	CN	200810212857.4	101369595	200810212857.4	Issued
GP032156	P03215603	US	10/527083	2006-0022041	7138699	Issued
GP032156	P48487601	JP	2002-265518	2004-102798	04197417	Issued
GP032156	P032156P0	PCT	PCT/JP03/011467	WO2004/025551		Abandoned
GP032225	P032225E0	EPC	04006204.4	1460832		Abandoned

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GP032225	P03222501	US	10/802940	2004-0183930	7379109	Issued
GP032225	P03222505	US	12/073972	2008-0211949	7825976	Issued
GP032225	P49252001	JP	2003-078890			Abandoned
GP032225	P03222503	KR	2004-0018832	2004-0082991	10-0536973	Issued
GP032225	P50681601	JP	2004-041266	2004-304771	03562649	Issued
GP032225	P03222502	CN	200410030176.8	1532939	200410030176.8	Issued
GP032225	P03222504	TW	93107128	200503257		Abandoned
GP032302	P03230201	US	10/885788	2006-0006854	7176668	Issued
GP032302	P52924501	JP	2005-198668	2006-025596	04405438	Issued
GP032477	P03247701	US	10/510988	2005-0180298	7215631	Issued
GP032477	P48928301	JP	2002-379155			Abandoned
GP032477	P03247702	CN	200380100307.9	1692435	200380100307.9	Issued
GP032477	P03247704	JP	2004-564536	2004-861845	03996601	Issued
GP032477	P03247703	KR	2004-7012467	2005-0088920	10-0934063	Abandoned
GP032477	P032477P0	PCT	PCT/JP03/016842	WO2004/061845		Abandoned
GP032520	P03252001	US	10/875350	2005-0029615	7061067	Issued
GP032520	P03252002	US	11/406088	2006-0186506	7588958	Issued
GP032520	P49721101	JP	2003-191953			Abandoned
GP032520	P51138301	JP	2004-153732	2005-045212	04383250	Issued
GP032685	P03268504	TW	093106728	200421251		Abandoned
GP032685	P03268501	US	10/797108	2004-0178981	7327344	Issued
GP032685	P49212901	JP	2003-069261	2004-279626	04401090	Issued
GP032685	P03268503	KR	2004-0009452	2004-0080958		Abandoned
GP032685	P03268502	CN	200410005982.X	1530723	200410005982.X	Issued
GP032739	P03273901	US	10/754604	2004-0264221	6879501	Issued
GP032833	P03283301	US	10/835057	2004-0217936	7382365	Issued
GP032833	P49441501	JP	2003-126812	2004-333659	04381027	Abandoned
GP032833	P03283303	KR	2004-0030439			Abandoned
GP032833	P03283302	CN	200410043589.X	1542716	200410043589.X	Issued
GP032833	P03283304	TW	93111799	200428351		Abandoned
GP032865	P03286507	GB	04006852.0	1471579	1471579	Issued
GP032865	P03286508	FR	04006852.0	1471579	1471579	Issued
GP032865	P03286510	NL	04006852.0	1471579	1471579	Issued
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GP032865	P03286511	DE	07013992.8	1840969	1840969	Issued
GP032865	P03286512	FR	07013992.8	1840969	1840969	Issued
GP032865	P03286513	GB	07013992.8	1840969	1840969	Issued
GP032865	P032865E1	BPC	07013992.8	1840969	1840969	Abandoned
GP032865	P03286504	TW	093106017	200501405		Abandoned
GP032865	P03286501	US	10/809215	2004-0188729	7214976	Issued
GP032865	P03286505	US	11/726437	2007-0184570	7459335	Issued
GP032865	P03286506	US	12/290076	2009-0072125	7928485	Issued
GP032865	P49305601	JP	2003-096245	2004-304012		Abandoned
GP032865	P03286502	KR	2004-0021510	2004-0086763	10-0604390	Issued
GP032865	P03286503	CN	200410031962.X	1534793	200410031962.X	Issued
GP032865	P49305602	JP	2007-057403	2007-150361	04693183	Issued
GP032865	P03286509	DE	602004016790.8	1471579	1471579	Issued
GP032876	P032876E0	EPC	04015135.9	1494292		Abandoned
GP032876	P03287601	US	10/876839	2005-0001219	7294907	Issued
GP032876	P49705901	JP	2003-189776	2005-026426	03782406	Issued

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GP032876	P03287602	CN	200410061784.5	1577872	200410061784.5	Issued
GP032879	P032879E0	EPC	04020750.8	1513200		Abandoned
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GP032879	P49957201	JP	2003-311723	2005-079537	03838572	Issued
GP032879	P03287903	KR	2004-0069915		10-0572388	Abandoned
GP032879	P03287902	CN	200410075211.8	1591889	200410075211.8	Issued
GP032879	P49957202	JP	2006-183566	2006-332685	04219943	Issued
GP032900	P032900E0	EPC	04000655.3	1439575		Pending
GP032900	P03290002	TW	093101000	200425445	1339429	Issued
GP032900	P03290001	US	10/757388	2004-0147063	7659634	Issued
GP032900	P03290005	US	11/092892	2005-0224918	7723161	Issued
GP032900	P48979301	JP	2003-008349	2004-221399	03897704	Issued
GP032900	P03290004	KR	2004-0002848		10-1007595	Issued
GP032900	P03290003	CN	200410001948.5	1518099	200410001948.5	Issued
GP032900	P48979302	JP	2005-071274	2005-236309	04283240	Issued
GP032916	P032916E0	EPC	04025122.5			Abandoned
GP032916	P03291604	TW	093131954	200515575		Abandoned
GP032916	P03291601	US	10/969822	2005-0088565	7586529	Issued
GP032916	P03291605	US	12/510562	2009-0290054	7719585	Issued
GP032916	P50178501	JP	2003-363609	2005-129721	03838573	Issued
GP032916	P03291603	KR	2004-0083974		10-0644180	Abandoned
GP032916	P03291602	CN	200410085932.7	1610101	200410085932.7	Issued
GP032916	P50178502	JP	2006-183567	2006-332686		Abandoned
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GP033102	P03310205	US	11/124265	2005-0200583	7265495	Issued
GP033102	P48893801	JP	2002-367857	2004-198770	03810364	Abandoned
GP033102	P03310203	KR	2003-0093515	2004-0054580		Abandoned
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GP033102	P48893802	JP	2005-335640	2006-139290	04428535	Abandoned
GP033102	P03310204	TW	92135790	200421231		Abandoned
GP033106	P03310601	US	10/800734	2004-0201556	7304621	Issued
GP033106	P03310605	US	11/976953	2008-0084411	7864171	Issued
GP033106	P49347901	JP	2003-105694	2004-309924	03991003	Issued
GP033106	P03310602	KR	2004-0024305	2004-0087958		Abandoned
GP033106	P03310604	CN	200410033470.4	1536549	200410033470.4	Issued
GP033106	P49347902	JP	2007-013703	2007-156503		Abandoned
GP033106	P03310603	TW	93109530			Abandoned
GP033178	P03317801	US	10/764537	2004-0156178	7190982	Issued
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GP033178	P03317803	TW	93101715	200419772	1242878	Abandoned
GP033214	P03321401	US	10/824427	2004-0257460	7499094	Issued
GP033214	P49640501	JP	2003-173946	2005-011969	03729353	Issued
GP033214	P03321402	CN	200410049277.X	1574377	200410049277.X	Issued
GP033260	P03326001	US	10/752509	2004-0165114	7170564	Issued
GP033260	P48949101	JP	2003-003475	2004-221673		Abandoned
GP033260	P03326002	CN	200410002054.8	1523569		Abandoned
GP033295	P03329501	US	10/790836	2004-0185803	7139534	Issued

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GP033295	P49167501	JP	2003-058168			Abandoned
GP033295	P50726901	JP	2004-054602	2004-289812	03824610	Issued
GP033295	P03329502	CN	200410007750.8	1527583	200410007750.8	Issued
GP033744	P03374401	US	10/794671	2004-0189233	7237060	Issued
GP033744	P03374405	US	11/800267	2007-0214327	7318131	Issued
GP033744	P49170401	JP	2003-059134	2004-272393		Abandoned
GP033744	P03374402	KR	2004-0014998	2004-0079313	10-0714170	Abandoned
GP033744	P03374403	CN	200410007489.1	1527193	200410007489.1	Issued
GP033744	P03374404	KR	2006-0027554			Abandoned
GP033761	P03376101	US	10/793107	2004-0183109	7034347	Issued
GP033761	P49176901	JP	2003-060529			Abandoned
GP033761	P50676501	JP	2004-040450	2004-289134	03793205	Issued
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GP033761	P50676502	JP	2005-304400	2006-074063	04351667	Issued
GP033857	P03385701	US	10/890259	2005-0024533	7295246	Issued
GP033857	P49829201	JP	2003-284064	2005-051704		Abandoned
GP033857	P03385702	CN	200410049554.7	1581963	200410049554.7	Issued
GP033891	P03389107	GB	04013776.2	1487103	1487103	Abandoned
GP033891	P033891E0	EPC	04013776.2	1487103	1487103	Abandoned
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GP033891	P03389106	US	11/672415	2007-0139094	7636004	Abandoned
GP033891	P49611401	JP	2003-167615	2005-006072		Abandoned
GP033891	P03389104	KR	2004-0043211			Abandoned
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GP033891	P49611402	JP	2007-077546	2007-184981	04538016	Abandoned
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GP033945	P03394502	CN	200410087970.6	1624777	200410087970.6	Issued
GP033945	P51844801	JP	2004-312941	2005-158241	04113175	Issued
GP033946	P03394601	US	10/948310	2005-0281151	7304918	Issued
GP033946	P50038301	JP	2003-331148			Abandoned
GP033946	P03394602	CN	200410011731.2	1601622	200410011731.2	Issued
GP033946	P51683001	JP	2004-277665	2005-122879	03899097	Issued
GP033951	P033951E0	EPC	04716794.5	1587211		Abandoned
GP033951	P03395101	US	10/506076	2005-0225405	7286023	Issued
GP033951	P49171601	JP	2003-059546			Abandoned
GP033951	P03395102	CN	20048000041.5	1698262		Abandoned
GP033951	P03395103	JP	2005-503070	2004-879895		Pending
GP033951	P033951P0	PCT	PCT/JP04/002635	WO2004/079895		Abandoned

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GP033953	P03395301	US	10/971097	2005-0146303	7023157	Issued
GP033953	P50447401	JP	2003-423800	2005-185019	03899070	Issued
GP033953	P03395303	KR	2004-0097281	2005-0062371	10-0784587	Abandoned
GP033953	P03395302	CN	200410104977.4	1630183	200410104977.4	Issued
GP033954	P03395401	US	10/985882	2005-0104565	6998825	Issued
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GP033954	P03395402	CN	200410092648.2	1619932	200410092648.2	Issued
GP033954	P51911601	JP	2004-327686	2005-168285	03955058	Issued
GP033980	P03398001	US	10/992104	2005-0111149	7355830	Issued
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GP033980	P51421401	JP	2004-216457	2005-176587	04170268	Issued
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GP034030	P49695901	JP	2003-186826			Abandoned
GP034030	P03403003	KR	2004-0049608	2005-0002627		Abandoned
GP034030	P03403002	CN	200410049789.6	1578104	200410049789.6	Issued
GP034030	P51164301	JP	2004-159201	2005-039991	04243567	Issued
GP034043	P034043E0	EPC	04015341.3	1494352		Abandoned
GP034043	P03404301	US	10/880391	2005-0003784	7245170	Issued
GP034043	P49705301	JP	2003-189526			Abandoned
GP034043	P03404302	CN	200410062927.4	1577954	200410062927.4	Abandoned
GP034043	P50897301	JP	2004-103320	2005-039779	04050246	Abandoned
GP034043	P03404303	TW	93117913	200507504	1253243	Abandoned
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GP034096	P03409601	TW	093105048	200501404	1330888	Issued
GP034096	P03409602	US	10/532992	2006-0050161	7352399	Issued
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GP034096	P03409606	US	12/536814	2009-0322924	8253833	Issued
GP034096	P03409607	US	12/536829	2009-0295961	8274590	Issued
GP034096	P03409608	US	13/592792			Pending
GP034096	P49154201	JP	2003-054589	2004-266565	04355148	Issued
GP034096	P03409603	CN	200480001278.5	1706182	200480001278.5	Issued
GP034096	P03409604	KR	2005-7009741	2005-0109456	10-0990608	Issued
GP034096	P034096P0	PCT	PCT/JP04/002282	WO2004/077822		Abandoned
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GP034213	P03421301	US	10/891103	2005-0045928	7023034	Issued
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GP034213	P49938702	JP	2005-306387	2006-060250		Abandoned
GP034214	P03421401	US	10/893931	2005-0056901	7470965	Issued
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Seller Family Number	Seller Number	Country	Application Number	Publication Number	Patent Number	Status
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GP034217	P03421705	US	10/545953	2006-0158540	7525585	Issued
GP034217	P49340801	JP	2003-104547	2004-312472	04231322	Issued
GP034217	P03421706	CN	200480009381.4	1771722	200480009381.4	Issued
GP034217	P03421707	KR	2005-7015778	2005-0118674		Abandoned
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GP034217	P034217P0	PCT	PCT/JP04/004893	WO2004/091196		Abandoned
GP034221	P03422101	US	10/899008	2005-0030865	7230897	Issued
GP034221	P49869301	JP	2003-289620	2005-063510	04245436	Issued
GP034221	P03422102	CN	200410056466.X	1580750	200410056466.X	Issued
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GP034323	P03432303	KR	2004-0060876		10-0634146	Abandoned
GP034323	P03432302	CN	200410055996.2	1581484	200410055996.2	Issued
GP034356	P03435601	US	10/891868	2005-0012822	7420606	Issued
GP034356	P49771501	JP	2003-275551			Abandoned
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GP034356	P03435602	CN	200410071621.5	1578421		Abandoned
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GP034393	P03439304	TW	94104328	200531267		Abandoned
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GP034516	P03451602	CN	200510005992.8	1667804	200510005992.8	Abandoned
GP034538	P03453801	US	10/844319	2004-0227563	7075340	Issued
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GP034538	P03453802	CN	200410043191.6	1551366	200410043191.6	Issued
GP034539	P03453901	US	10/924939	2005-0047185	7187147	Issued
GP034539	P49915201	JP	2003-302223			Abandoned
GP034539	P51449701	JP	2004-222659	2005-102482	03883550	Issued
GP034540	P03842801	US	11/094369	2005-0218964	7199636	Issued
GP034540	P03842802	JP	2005-102957	2005-295794		Abandoned
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GP034551	P03455103	US	11/394117	2006-0172453	7466001	Issued
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GP034556	P49566902	JP	2008-299724	2009-044774	04430117	Issued
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GP034627	P03462701	US	10/964704	2005/0083105	7183867	Issued
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GP034628	P03462801	US	10/973400	2005-0099239	7253695	Issued
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GP034633	P03463301	US	10/948693	2005-0068707	7310213	Issued
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GP034789	P50574701	JP	2004-017658			Abandoned
GP034789	P03478902	CN	200410068384.7	1649161	200410068384.7	Issued
GP034789	P52171901	JP	2005-008299	2005-244947	04310283	Issued
GP034789	P03478904	TW	93123313	200525608	1251268	Issued
GP034791	P03479101	US	10/895083	2005-0024900	7167382	Issued
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GP034791	P03479102	CN	200410055746.9	1578082	200410055746.9	Abandoned
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GP034839	P03483901	US	10/923848	2005-0046464	7307465	Issued
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GP034839	P03483902	CN	200410056955.5	1592054	200410056955.5	Issued
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GP035225	P03522502	CN	200410076955.1	1591379	200410076955.1	Issued
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GP035240	P50721001	JP	2004-052585	2005-245142	04173115	Issued
GP035240	P03524002	CN	200510052621.5	1661898	200510052621.5	Issued
GP035306	P03530601	US	10/909311	2005-0029433	7253399	Issued
GP035306	P03530605	US	11/599353	2007-0057153	7531782	Issued
GP035306	P03530606	US	11/783701	2007-0194209	7456381	Issued
GP035306	P03530607	US	11/783702	2007-0187575	7417214	Issued
GP035306	P03530608	US	11/783703	2007-0187576	7411180	Issued
GP035306	P03530609	US	11/812613	2007-0246640	7459665	Issued
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GP035306	P03530604	TW	93122908	200511570	1253170	Issued
GP035337	P03533701	US	10/944938	2005-0062525	7135897	Issued
GP035337	P50037101	JP	2003-330572	2005-101771		Abandoned
GP035337	P03533702	CN	200410078291.2	1601994	200410078291.2	Issued
GP035349	P03534901	US	10/971689	2005-0134211	7129671	Issued
GP035349	P50447501	JP	2003-423801	2005-185020	03899071	Issued
GP035349	P03534902	CN	200410104497.8	1630182	200410104497.8	Issued
GP035374	P03537401	US	11/014240	2005-0179595	7227502	Issued
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GP035375	P03537501	US	11/033803	2005-0156691	7161430	Issued
GP035375	P03537502	KR	2004-0107679	2005-0076598	10-0630032	Abandoned
GP035375	P50549301	JP	2004-011373			Abandoned
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GP035376	P035376E0	EPC	04030469.3	1548931		Abandoned
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GP035376	P50467701	JP	2003-428998	2005-191791		Abandoned
GP035398	P03539801	US	10/994358	2005-0127450	7170134	Issued
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GP035416	P03541604	TW	093129236	200513123		Abandoned
GP035416	P03541601	US	10/951815	2005-0068455	7400353	Issued
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GP035572	P03557203	KR	2004-0080209	2005-0035092	10-0748811	Abandoned
GP035572	P03557202	CN	200410084985.7	1606167		Abandoned
GP035572	P51034801	JP	2004-130297	2005-134869	03993862	Issued
GP035572	P03557205	KR	2006-0123711	2007-0009950	10-0710964	Abandoned
GP035572	P51034802	JP	2006-207818	2007-047779	04444931	Issued
GP035572	P03557206	CN	200910164906.6	101661945	200910164906.6	Issued

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GP035573	P03557301	US	10/958296	2005-0077451	7485848	Issued
GP035573	P03557305	US	12/240635	2009-0032684	7755030	Issued
GP035573	P50122601	JP	2003-352090			Abandoned
GP035573	P03557303	KR	2004-0080208	2005-0035091	10-0583509	Abandoned
GP035573	P03557302	CN	200410084986.1	1606159	200410084986.1	Issued
GP035573	P51034901	JP	2004-130300	2005-136373	04170950	Issued
GP035573	P03557304	TW	93130435	200514228	I254441	Abandoned
GP035580	P03558001	US	11/030945	2005-0179082	7626229	Issued
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GP035687	P03568703	KR	2004-0096974			Abandoned
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GP039506	P03950601	US	11/223938	2006-0067407	7764845	Issued
GP039506	P51683201	JP	2004-277778	2006-094191	04515870	Issued
GP039548	P03954801	US	11/204052	2006-0055064	7301179	Issued
GP039548	P51688301	JP	2004-270207	2006-086370	04546796	Abandoned
GP039548	P03954802	CN	200510099298.7	1750270	200510099298.7	Abandoned

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GP039652	P03965201	US	11/240575	2006-0071835	7148829	Issued
GP039652	P51723301	JP	2004-290318	2006-108892	04122325	Issued
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GP039654	P03965402	CN	200510107134.4	1763952	200510107134.4	Issued
GP039769	P03976901	US	11/166345	2006-0005095	7295028	Issued
GP039792	P03979201	US	11/213870	2006-0046411	7202515	Issued
GP039792	P03979203	US	11/507008	2006-0281275	7285457	Issued
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GP040418	P54512601	JP	2006-262434	2007-097176		Abandoned
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GP043811	P54772501	JP	2006-338934	2007-195158		Abandoned
GP044091	P04409101	US	11/758293	2007-0296844	7531859	Issued

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Seller Family Number	Seller Number	Country	Application Number	Publication Number	Patent Number	Status
GP044091	P54209701	JP	2006-171372	2008-004682		Abandoned
GP044091	P04409102	KR	2007-0060948			Abandoned
GP044233	P04423301	US	11/680760	2007-0229028	7474079	Issued
GP044233	P53900801	JP	2006-089154	2007-267509	04431119	Issued
GP044253	P04425301	US	11/607001	2007-0158855	7816777	Issued
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GP044253	P04425302	CN	200610149244.1	1996586		Abandoned
GP044255	P04425501	US	11/651022	2007-0241374	7745859	Issued
GP044255	P53990701	JP	2006-113171			Abandoned
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GP044255	P04425502	KR	2007-0000432	2007-0102927		Abandoned
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GP044278	P54120101	JP	2006-147685	2007-318953	04825584	Issued
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GP044278	P54120102	JP	2011-085096	2011-135776	05232892	Issued
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GP044279	P54019501	JP	2006-119679	2007-295197		Abandoned
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GP044503	P044503E0	EPC	07108249.9	1865557		Abandoned
GP044503	P04450301	US	11/808042	2007-0284679	7755150	Issued
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GP044503	P04450303	KR	2007-0054802			Abandoned
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GP044611	P04461101	US	11/700090	2007-0272958	7696544	Issued
GP044611	P54119201	JP	2006-146879	2007-317939		Abandoned
GP044694	P04469401	US	11/621682	2007-0165117	7936386	Issued
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GP044694	P53626701	JP	2006-009241			Abandoned
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GP044752	P54872601	JP	2007-013648	2008-160782		Abandoned
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GP044772	P04477201	US	11/710898	2007-0222520	7439808	Issued
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GP044850	P04485002	CN	200710084143.5	101026351		Abandoned
GP044854	P04485401	US	11/802635	2007-0273412	8068102	Issued
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GP044854	P04485402	CN	200710105076.0	101079231	200710105076.0	Issued
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GP044860	P04486001	US	11/746924	2007-0263992	7605560	Issued
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GP045088	P04508801	US	11/705013	2007-0210774	7714546	Issued

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GP045088	P04508802	US	12/662828	2010-0277147	7940031	Issued
GP045088	P53819501	JP	2006-061945			Abandoned
GP045088	P54750401	JP	2006-332713	2007-274883		Abandoned
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GP045215	P04521503	KR	2007-0084779			Abandoned
GP045215	P04521502	CN	200710142350.1	101132487		Abandoned
GP045215	P04521504	TW	96128361	200826658		Abandoned
GP045601	P04560101	US	11/723117	2007-0216778	7652690	Issued
GP045601	P53856901	JP	2006-072348			Abandoned
GP045601	P55051201	JP	2007-066014	2007-282204		Abandoned
GP045609	P04560901	US	11/783645	2007-0241725	7782030	Issued
GP045609	P53996301	JP	2006-114622	2007-288942	04783195	Issued
GP045709	P04570901	US	11/806716	2008-0007242	7755339	Issued
GP045709	P54265101	JP	2006-187884	2008-015875		Abandoned
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GP046103	P04610302	CN	200710105075.6	101078854	200710105075.6	Issued
GP046184	P04618401	US	11/870100	2008-0088376	7733187	Issued
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GP046184	P55570801	JP	2007-236913	2008-118624		Abandoned
GP046389	P04638901	US	11/776748	2008-0024341	7439893	Issued
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GP046523	P04652302	CN	200710149587.2	101145077		Abandoned
GP046795	P04679501	US	12/092789	2010-0231277	7868680	Issued
GP046795	P54440801	JP	2006-241035			Abandoned
GP046795	P04679503	JP	2007-555407	2008-829554	04524315	Issued
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GP046795	P046795P0	PCT	PCT/JP07/063727	WO2008/029554		Abandoned
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GP047306	P04730601	US	11/902829	2008-0079409	7994757	Issued
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GP047339	P54705801	JP	2006-316938	2008-131557		Abandoned
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GP047394	P54914701	JP	2007-026745			Abandoned
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GP047544	P04754401	US	11/976963	2008-0099783	7667316	Issued
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GP047841	P04784101	US	12/054038	2008-0277702	7863661	Issued
GP047841	P55088601	JP	2007-080358	2008-244021		Abandoned

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Seller Family Number	Seller Number	Country	Application Number	Publication Number	Patent Number	Status
GP047841	P04784102	KR	2008-0027713	2008-0087725		Abandoned
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GP047876	P04787601	US	11/946282	2008-0128755	8138615	Issued
GP047876	P54728801	JP	2006-325458	2008-140970	05054359	Issued
GP047876	P04787602	CN	200710193323.7	101192608		Abandoned
GP048025	P04802501	US	11/946314	2008-0122942	7796176	Issued
GP048025	P54711201	JP	2006-319640	2008-135908		Abandoned
GP048025	P04802502	CN	200710168175.3	101202846	200710168175.3	Issued
GP048156	P04815601	US	12/055784	2008-0252282	7847534	Issued
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GP048156	P55931401	JP	2008-016370	2008-271503		Abandoned
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GP048249	P04824902	CN	200810087337.5	101277089		Abandoned
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GP048285	P04828501	US	12/142458	2008-0319563	8010374	Issued
GP048285	P55361701	JP	2007-164582	2009-004037		Abandoned
GP048309	P04830901	US	12/038060	2008-0203577	7687900	Issued
GP048309	P54991501	JP	2007-049211	2008-218442		Abandoned
GP048309	P04830902	CN	200810082015.1	101339946		Abandoned
GP048327	P04832701	US	12/115581	2008-0278981	8023292	Issued
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GP048328	P04832801	US	12/128652	2008-0309303	7729137	Issued
GP048328	P55341601	JP	2007-158093	2008-312359		Abandoned
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GP048329	P04832903	US	13/165889			Abandoned
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GP048329	P04832902	CN	200810110388.5	101320733	200810110388.5	Issued
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GP048399	P04839901	US	12/128177	2008-0309410	7667536	Issued
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GP048427	P04842701	US	12/026786	2008-0252243	7832032	Issued
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GP048613	P56025601	JP	2008-044295	2008-270742	05274857	Issued
GP048613	P04861302	CN	200810087271.X	101276812	200810087271.X	Issued
GP048644	P04864401	US	12/109596	2008-0265995	7667541	Issued
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GP048651	P55453401	JP	2007-196089	2009-032950	05065789	Issued
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GP048804	P56302501	JP	2008-134694	2009-005347		Abandoned
GP048809	P04880901	US	12/047558	2008-0225141	8098306	Issued
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GP049114	P04911402	CN	200880016699.3	101681631		Abandoned
GP049114	P04911403	JP	2009-516171	2008-946460		Abandoned
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GP049270	P04927002	CN	200810145202.X	101359821	200810145202.X	Issued
GP049273	P04927301	US	12/182739	2009-0033324	7737688	Issued
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GP049884	P04988401	US	12/185314	2009-0039395	7732843	Issued
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GP050143	P05014302	US	13/224429			Abandoned
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GP050156	P05015601	US	12/236038	2009-0184856	7671775	Issued
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GP055390	P05539001	US	13/169571	2011-0254524	8421424	Issued
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GP056240	P57532001	JP	2009-206461	2011-061913		Abandoned
GP030589	P03058901	US	10/388617	2004-0089859	6924540	Issued
GP030589	P47772301	JP	2002-076082	2003-273371	3955487	Abandoned
GP030589	P03058901	CN	3107251.8	1445859		Abandoned

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