



MINISTÉRIO DA ECONOMIA
INSTITUTO NACIONAL DA PROPRIEDADE INDUSTRIAL
DIRETORIA DE PATENTES, PROGRAMAS DE COMPUTADOR E TOPOGRAFIAS DE CIRCUITOS INTEGRADOS.

Comunicado

Em obediência à decisão da ADI 5529, proferida em 13 de maio de 2021, pelo Ministro Dias Toffoli, que extinguiu o dispositivo previsto no parágrafo único do art. 40 da LPI, o mesmo não será mais aplicado às patentes concedidas a partir desta data. Isto significa que todas as patentes de invenção concedidas a partir desta data terão vigência de 20 anos e que todas as patentes de modelo de utilidade concedidas a partir desta data terão vigência de 15 anos, contadas a partir da data de depósito.

Além disso, considerando a modulação da decisão publicada em 14 de maio de 2021, que estabelece o efeito *ex tunc*, retroativo, às patentes relacionadas a produtos e processos farmacêuticos e a equipamentos e/ou materiais de uso em saúde, informamos que as patentes destas áreas sofrerão ajustes nos seus prazos de vigência, conforme estabelecido abaixo.

Para fins de ajuste de vigência e de eventual extinção, foram consideradas todas as patentes concedidas com alguma extensão de prazo (nos termos do extinto parágrafo único do Art. 40), que ainda estavam vigentes em 14/05/2021.

As patentes concedidas com extensão de vigência foram divididas em dois grupos: i) patentes que ainda não ultrapassaram 20 anos da data do depósito (ou 15 anos, para modelos de utilidades); ii) patentes de invenção que ultrapassaram 20 anos da data do depósito (ou 15 anos, para modelos de utilidades). Desta forma, considerando estes dois grupos, temos as seguintes situações:

- Patentes relacionadas a produtos e processos farmacêuticos e a equipamentos e/ou materiais de uso em saúde, concedidas com extensão de vigência, mas ainda fora do prazo de extensão em 14/5/2021 serão REPUBLICADAS, para ajuste de vigência;
- Patentes relacionadas a produtos e processos farmacêuticos e a equipamentos e/ou materiais de uso em saúde, concedidas com extensão de vigência e já no prazo de extensão em 4/5/2021 serão REPUBLICADAS, para ajuste de vigência, e EXTINTAS.

Para seleção das patentes relacionadas a produtos e processos farmacêuticos e a equipamentos e/ou materiais de uso em saúde que sofrerão verificação pelo INPI, para fins de republicação da carta patente ou de extinção, foram utilizados os seguintes critérios:

1. Patentes enviadas para análise da ANVISA, para fins de concessão de anuência prévia;
2. Patentes com classificação IPC A61B, A61C, A61D, A61F, A61G, A61H, A61J, A61L, A61M, A61N; H05G (tecnologias associadas à medicina segundo a OMPI);
3. Patentes com classificação IPC A61K/6, C12Q/1, G01N/33, G16H;
4. Patentes com decisão de ação judicial publicada (despacho 19.1);
5. Certificados de Adição concedidos.

Na presente RPI está sendo publicada uma LISTA INICIAL contendo 3.341 patentes com concessão de anuência prévia pela ANVISA (despacho 7.5 publicado) que sofrerão correção da data de vigência, através da retificação da carta patente, e eventual extinção, para os casos em que o prazo de extensão da vigência já estiver sendo usufruído.

LISTAS ADICIONAIS serão publicadas nas próximas RPIs, conforme a análise dos casos for sendo concluída pela equipe da DIRPA.

**Diretoria de Patentes, Programas de Computador e
Topografias de Circuitos Integrados**

PI0000126	PI0307308	PI0511139	PI0713731	PI0914121
PI0000426	PI0307319	PI0511253	PI0713743	PI0914300
PI0000481	PI0307349	PI0511308	PI0713749	PI0914305
PI0000908	PI0307351	PI0511318	PI0713777	PI0914319
PI0001144	PI0307355	PI0511321	PI0713923	PI0914504
PI0001486	PI0307529	PI0511327	PI0713951	PI0914682
PI0001870	PI0307550	PI0511367	PI0714055	PI0914684
PI0002276	PI0307647	PI0511441	PI0714211	PI0914802
PI0002402	PI0307702	PI0511466	PI0714212	PI0914805
PI0002693	PI0307724	PI0511479	PI0714292	PI0914927
PI0002694	PI0307777	PI0511520	PI0714315	PI0915064
PI0002872	PI0307786	PI0511615	PI0714399	PI0915084
PI0003051	PI0307802	PI0511662	PI0714466	PI0915119
PI0003386	PI0307816	PI0511703	PI0714495	PI0915126
PI0003578	PI0307837	PI0511710	PI0714514	PI0915166
PI0004238	PI0307995	PI0511764	PI0714539	PI0915173
PI0004827	PI0308103	PI0511782	PI0714553	PI0915284
PI0005287	PI0308113	PI0511793	PI0714558	PI0915300
PI0006230	PI0308207	PI0511807	PI0714563	PI0915326
PI0006291	PI0308208	PI0511933	PI0714648	PI0915367
PI0006503	PI0308243	PI0511967	PI0714669	PI0915383
PI0006634	PI0308274	PI0512042	PI0714672	PI0915386
PI0006823	PI0308360	PI0512060	PI0714712	PI0915387
PI0006915	PI0308376	PI0512103	PI0714718	PI0915417
PI0007487	PI0308495	PI0512193	PI0714761	PI0915439
PI0007593	PI0308513	PI0512286	PI0714803	PI0915482
PI0007713	PI0308527	PI0512288	PI0714844	PI0915513
PI0007714	PI0308585	PI0512347	PI0714885	PI0915517
PI0007720	PI0308606	PI0512528	PI0714886	PI0915667
PI0007820	PI0308663	PI0512563	PI0714908	PI0915692
PI0007891	PI0308696	PI0512574	PI0714945	PI0915696
PI0007936	PI0308706	PI0512583	PI0715070	PI0915788
PI0008039	PI0308978	PI0512661	PI0715095	PI0915802

PI0008128	PI0309037	PI0512676	PI0715182	PI0915887
PI0008131	PI0309061	PI0512757	PI0715247	PI0915928
PI0008197	PI0309142	PI0512864	PI0715297	PI0916021
PI0008228	PI0309303	PI0512916	PI0715331	PI0916069
PI0008301	PI0309309	PI0512933	PI0715360	PI0916140
PI0008405	PI0309406	PI0513061	PI0715361	PI0916186
PI0008439	PI0309421	PI0513078	PI0715396	PI0916235
PI0008442	PI0309534	PI0513089	PI0715447	PI0916282
PI0008614	PI0309544	PI0513133	PI0715660	PI0916286
PI0008753	PI0309579	PI0513243	PI0715698	PI0916456
PI0008759	PI0309665	PI0513257	PI0715712	PI0916540
PI0009157	PI0309696	PI0513300	PI0715746	PI0916566
PI0009163	PI0309708	PI0513327	PI0715756	PI0916659
PI0009229	PI0309730	PI0513500	PI0715818	PI0916735
PI0009373	PI0309765	PI0513504	PI0715853	PI0916862
PI0009446	PI0309768	PI0513566	PI0716088	PI0916885
PI0009448	PI0309769	PI0513677	PI0716108	PI0916936
PI0009558	PI0309851	PI0513702	PI0716171	PI0916995
PI0009580	PI0309855	PI0513733	PI0716382	PI0917017
PI0009719	PI0309868	PI0513743	PI0716424	PI0917147
PI0009746	PI0309918	PI0513849	PI0716436	PI0917196
PI0009765	PI0309992	PI0513858	PI0716439	PI0917245
PI0009780	PI0310021	PI0513891	PI0716483	PI0917298
PI0010138	PI0310032	PI0513904	PI0716518	PI0917315
PI0010150	PI0310094	PI0513938	PI0716639	PI0917470
PI0010325	PI0310118	PI0514037	PI0716749	PI0917503
PI0010418	PI0310123	PI0514068	PI0716811	PI0917562
PI0010559	PI0311176	PI0514102	PI0716981	PI0917584
PI0010612	PI0311178	PI0514111	PI0716983	PI0917608
PI0010677	PI0311189	PI0514124	PI0716996	PI0917625
PI0011038	PI0311201	PI0514263	PI0716997	PI0917661
PI0011135	PI0311318	PI0514346	PI0717023	PI0917819
PI0011152	PI0311323	PI0514386	PI0717035	PI0917853
PI0011172	PI0311541	PI0514387	PI0717098	PI0917993
PI0011324	PI0311700	PI0514408	PI0717135	PI0918004
PI0011369	PI0311701	PI0514411	PI0717156	PI0918178
PI0011404	PI0311780	PI0514413	PI0717183	PI0918325
PI0011407	PI0311786	PI0514435	PI0717219	PI0918370
PI0011433	PI0311812	PI0514447	PI0717363	PI0918476
PI0011449	PI0311822	PI0514470	PI0717367	PI0918517
PI0011521	PI0311877	PI0514474	PI0717376	PI0918580
PI0011640	PI0311959	PI0514537	PI0717441	PI0918593
PI0011674	PI0311965	PI0514576	PI0717505	PI0918602
PI0011799	PI0311976	PI0514630	PI0717509	PI0918629
PI0011834	PI0312002	PI0514661	PI0717510	PI0918670
PI0011856	PI0312007	PI0514682	PI0717570	PI0918724
PI0011867	PI0312128	PI0514694	PI0717596	PI0918750

PI0012032	PI0312173	PI0514723	PI0717673	PI0918841
PI0012138	PI0312174	PI0514735	PI0717768	PI0918868
PI0012150	PI0312175	PI0515070	PI0717775	PI0918904
PI0012184	PI0312176	PI0515081	PI0717794	PI0918966
PI0012196	PI0312194	PI0515089	PI0717834	PI0919020
PI0012198	PI0312288	PI0515264	PI0717958	PI0919155
PI0012200	PI0312398	PI0515329	PI0717970	PI0919183
PI0012265	PI0312399	PI0515333	PI0718145	PI0919199
PI0012311	PI0312419	PI0515372	PI0718176	PI0919241
PI0012329	PI0312441	PI0515403	PI0718183	PI0919257
PI0012352	PI0312464	PI0515413	PI0718436	PI0919268
PI0012387	PI0312472	PI0515441	PI0718480	PI0919328
PI0012401	PI0312521	PI0515516	PI0718533	PI0919447
PI0012434	PI0312522	PI0515533	PI0718541	PI0919526
PI0012463	PI0312547	PI0515594	PI0718596	PI0919635
PI0012478	PI0312651	PI0515646	PI0718651	PI0919753
PI0012553	PI0312669	PI0515815	PI0718706	PI0919827
PI0012588	PI0312712	PI0515860	PI0718714	PI0919853
PI0012675	PI0312811	PI0515893	PI0718803	PI0919868
PI0012688	PI0312818	PI0515918	PI0718813	PI0919873
PI0012761	PI0312840	PI0515935	PI0718862	PI0920053
PI0012772	PI0312877	PI0515982	PI0718882	PI0920145
PI0012915	PI0312882	PI0516105	PI0718945	PI0920240
PI0012973	PI0312927	PI0516123	PI0718966	PI0920351
PI0013010	PI0312940	PI0516177	PI0718996	PI0920355
PI0013119	PI0313070	PI0516243	PI0719006	PI0920635
PI0013291	PI0313082	PI0516299	PI0719092	PI0920706
PI0013357	PI0313148	PI0516408	PI0719093	PI0920896
PI0013391	PI0313155	PI0516464	PI0719115	PI0920973
PI0013478	PI0313165	PI0516466	PI0719195	PI0921063
PI0013493	PI0313273	PI0516515	PI0719205	PI0921097
PI0013569	PI0313286	PI0516576	PI0719264	PI0921369
PI0013613	PI0313290	PI0516718	PI0719281	PI0921375
PI0013667	PI0313419	PI0516735	PI0719361	PI0921382
PI0013686	PI0313424	PI0516748	PI0719367	PI0921408
PI0013750	PI0313477	PI0516749	PI0719393	PI0921464
PI0013751	PI0313480	PI0516761	PI0719395	PI0921593
PI0013885	PI0313559	PI0516764	PI0719430	PI0921595
PI0013924	PI0313611	PI0516933	PI0719469	PI0921599
PI0013939	PI0313613	PI0517091	PI0719529	PI0921632
PI0013940	PI0313648	PI0517093	PI0719549	PI0921705
PI0013963	PI0313664	PI0517132	PI0719762	PI0921799
PI0014076	PI0313694	PI0517211	PI0719816	PI0921917
PI0014115	PI0313737	PI0517227	PI0719821	PI0921983
PI0014142	PI0313763	PI0517241	PI0719885	PI0921999
PI0014205	PI0313792	PI0517256	PI0719920	PI0922220
PI0014374	PI0313880	PI0517273	PI0719939	PI0922302

PI0014382	PI0313942	PI0517398	PI0719953	PI0922326
PI0014428	PI0313976	PI0517500	PI0720118	PI0922350
PI0014464	PI0314001	PI0517515	PI0720178	PI0922366
PI0014470	PI0314038	PI0517664	PI0720220	PI0922462
PI0014526	PI0314042	PI0517674	PI0720230	PI0922510
PI0014652	PI0314120	PI0517752	PI0720251	PI0922570
PI0014722	PI0314238	PI0517795	PI0720270	PI0922642
PI0014743	PI0314308	PI0517909	PI0720282	PI0922653
PI0014869	PI0314344	PI0517916	PI0720355	PI0922774
PI0014874	PI0314373	PI0517942	PI0720525	PI0922788
PI0014878	PI0314377	PI0517967	PI0720569	PI0922804
PI0014880	PI0314543	PI0517973	PI0720588	PI0922805
PI0014901	PI0314546	PI0518104	PI0720633	PI0922806
PI0014979	PI0314631	PI0518173	PI0720742	PI0922867
PI0015061	PI0314654	PI0518192	PI0720829	PI0923047
PI0015102	PI0314666	PI0518228	PI0720858	PI0923176
PI0015203	PI0314830	PI0518266	PI0720874	PI0923231
PI0015254	PI0314831	PI0518315	PI0720879	PI0923341
PI0015284	PI0314882	PI0518394	PI0720972	PI0923359
PI0015422	PI0314932	PI0518424	PI0720993	PI0923373
PI0015533	PI0314984	PI0518489	PI0721003	PI0923391
PI0015567	PI0315142	PI0518700	PI0721044	PI0923480
PI0015610	PI0315143	PI0518861	PI0721088	PI0923786
PI0015770	PI0315188	PI0518958	PI0721136	PI0923861
PI0015802	PI0315248	PI0519044	PI0721137	PI0923903
PI0015805	PI0315295	PI0519424	PI0721148	PI0924061
PI0015846	PI0315296	PI0519466	PI0721238	PI0924123
PI0015939	PI0315315	PI0519476	PI0721255	PI0924136
PI0016129	PI0315452	PI0519568	PI0721259	PI0924183
PI0016138	PI0315461	PI0519624	PI0721393	PI0924307
PI0016184	PI0315644	PI0519726	PI0721651	PI0924543
PI0016187	PI0315649	PI0520049	PI0721654	PI0924653
PI0016231	PI0315652	PI0520054	PI0721725	PI0925000
PI0016263	PI0315657	PI0520330	PI0721827	PI0925036
PI0016329	PI0315666	PI0520362	PI0721887	PI0925315
PI0016368	PI0315735	PI0520406	PI0721905	PI1000802
PI0016395	PI0315740	PI0520498	PI0721984	PI1001787
PI0016506	PI0315958	PI0520568	PI0721990	PI1002268
PI0016619	PI0315959	PI0520579	PI0722042	PI1002480
PI0016638	PI0315977	PI0520588	PI0722079	PI1002720
PI0017013	PI0315980	PI0520622	PI0800050	PI1003106
PI0017030	PI0316018	PI0520654	PI0800485	PI1003749
PI0017054	PI0316039	PI0520797	PI0800492	PI1004894
PI0017067	PI0316092	PI0520870	PI0800567	PI1004898
PI0017420	PI0316264	PI0600679	PI0800585	PI1004899
PI0017437	PI0316282	PI0600705	PI0800788	PI1005011
PI0017460	PI0316319	PI0600795	PI0801417	PI1005050

PI0017522	PI0316346	PI0600796	PI0801422	PI1005909
PI0017527	PI0316438	PI0600799	PI0801497	PI1006076
PI0017528	PI0316532	PI0600985	PI0802649	PI1006104
PI0017590	PI0316595	PI0601053	PI0802688	PI1006141
PI0017607	PI0316666	PI0601286	PI0802806	PI1006145
PI0017622	PI0316732	PI0601390	PI0802850	PI1006260
PI0100254	PI0316779	PI0601496	PI0803141	PI1006626
PI0100837	PI0316895	PI0601751	PI0803473	PI1006766
PI0101230	PI0316908	PI0602028	PI0803568	PI1006790
PI0101486	PI0317064	PI0602106	PI0804091	PI1006849
PI0102138	PI0317176	PI0602206	PI0804273	PI1006861
PI0102184	PI0317196	PI0602351	PI0804288	PI1006875
PI0102252	PI0317255	PI0602366	PI0804525	PI1006915
PI0102338	PI0317276	PI0602371	PI0804623	PI1007018
PI0102648	PI0317376	PI0602496	PI0805167	PI1007153
PI0103418	PI0317463	PI0602640	PI0805520	PI1007287
PI0103887	PI0317682	PI0603419	PI0805601	PI1007350
PI0104491	PI0317696	PI0603871	PI0805702	PI1007379
PI0104510	PI0317717	PI0604319	PI0805754	PI1007404
PI0105509	PI0317738	PI0604577	PI0805826	PI1007666
PI0106305	PI0317740	PI0605212	PI0806318	PI1007867
PI0106382	PI0317780	PI0605658	PI0806328	PI1007945
PI0106646	PI0317795	PI0605693	PI0806340	PI1007986
PI0106682	PI0317796	PI0605921	PI0806365	PI1008083
PI0106840	PI0317883	PI0606111	PI0806411	PI1008308
PI0107210	PI0318046	PI0606112	PI0806461	PI1008359
PI0107414	PI0318049	PI0606119	PI0806789	PI1008396
PI0107493	PI0318201	PI0606145	PI0806793	PI1008498
PI0107585	PI0318250	PI0606197	PI0806853	PI1008661
PI0107605	PI0318278	PI0606252	PI0806863	PI1008663
PI0107646	PI0318325	PI0606278	PI0807146	PI1008692
PI0107679	PI0318456	PI0606318	PI0807154	PI1008709
PI0107715	PI0318498	PI0606397	PI0807346	PI1008727
PI0107731	PI0318503	PI0606658	PI0807453	PI1008749
PI0107736	PI0318594	PI0606790	PI0807544	PI1008762
PI0107737	PI0318680	PI0606923	PI0807597	PI1008855
PI0107807	PI0318799	PI0606933	PI0807732	PI1009235
PI0107815	PI0318811	PI0606998	PI0807735	PI1009315
PI0107863	PI0318840	PI0607017	PI0807739	PI1009333
PI0107921	PI0400375	PI0607025	PI0807749	PI1009381
PI0107952	PI0400869	PI0607097	PI0807799	PI1009576
PI0108024	PI0401186	PI0607214	PI0807828	PI1009616
PI0108041	PI0401713	PI0607238	PI0807940	PI1009619
PI0108145	PI0401742	PI0607323	PI0807974	PI1009842
PI0108152	PI0402077	PI0607326	PI0808035	PI1010283
PI0108354	PI0402081	PI0607372	PI0808098	PI1010300
PI0108374	PI0402223	PI0607374	PI0808164	PI1010620

PI0108380	PI0402630	PI0607379	PI0808329	PI1010772
PI0108386	PI0403668	PI0607436	PI0808333	PI1010907
PI0108394	PI0403935	PI0607475	PI0808353	PI1010987
PI0108395	PI0403964	PI0607486	PI0808377	PI1011015
PI0108396	PI0404306	PI0607529	PI0808503	PI1011031
PI0108435	PI0404635	PI0607649	PI0808570	PI1011043
PI0108436	PI0404688	PI0607693	PI0808662	PI1011071
PI0108449	PI0404755	PI0607762	PI0808746	PI1011103
PI0108478	PI0404765	PI0607773	PI0808764	PI1011144
PI0108485	PI0404861	PI0607811	PI0808824	PI1011229
PI0108553	PI0405212	PI0607817	PI0808856	PI1011277
PI0108556	PI0405483	PI0607827	PI0808888	PI1011439
PI0108664	PI0405798	PI0607844	PI0808897	PI1011506
PI0108676	PI0405842	PI0607863	PI0808940	PI1011630
PI0108841	PI0406427	PI0607995	PI0808979	PI1011683
PI0108882	PI0406591	PI0608205	PI0809023	PI1011710
PI0108893	PI0406605	PI0608281	PI0809047	PI1011753
PI0108921	PI0406674	PI0608400	PI0809094	PI1011838
PI0108923	PI0406694	PI0608402	PI0809103	PI1011994
PI0108977	PI0406766	PI0608431	PI0809164	PI1012077
PI0108981	PI0406772	PI0608505	PI0809205	PI1012108
PI0108990	PI0406800	PI0608584	PI0809212	PI1012219
PI0109012	PI0406801	PI0608604	PI0809258	PI1012367
PI0109078	PI0406819	PI0608654	PI0809282	PI1012549
PI0109115	PI0406879	PI0608690	PI0809326	PI1012638
PI0109139	PI0406905	PI0608768	PI0809330	PI1012666
PI0109198	PI0406913	PI0608796	PI0809366	PI1012770
PI0109200	PI0407071	PI0608819	PI0809579	PI1012870
PI0109293	PI0407082	PI0608840	PI0809655	PI1012875
PI0109413	PI0407116	PI0608853	PI0809656	PI1012892
PI0109494	PI0407121	PI0608877	PI0809663	PI1012924
PI0109575	PI0407176	PI0608886	PI0809665	PI1013222
PI0109609	PI0407311	PI0609121	PI0809842	PI1013259
PI0109640	PI0407338	PI0609151	PI0809926	PI1013333
PI0109712	PI0407508	PI0609191	PI0809931	PI1013470
PI0109740	PI0407615	PI0609278	PI0809942	PI1013482
PI0109836	PI0407662	PI0609393	PI0809989	PI1013548
PI0110024	PI0407741	PI0609424	PI0809996	PI1013626
PI0110038	PI0407827	PI0609426	PI0809998	PI1013835
PI0110101	PI0407840	PI0609496	PI0810064	PI1013867
PI0110184	PI0407854	PI0609516	PI0810113	PI1013956
PI0110319	PI0407904	PI0609636	PI0810179	PI1014070
PI0110321	PI0407993	PI0609692	PI0810192	PI1014174
PI0110371	PI0408022	PI0609704	PI0810376	PI1014275
PI0110443	PI0408092	PI0609711	PI0810384	PI1014276
PI0110506	PI0408140	PI0609719	PI0810399	PI1014278
PI0110607	PI0408157	PI0609725	PI0810411	PI1014522

PI0110757	PI0408167	PI0609765	PI0810522	PI1014527
PI0110774	PI0408206	PI0609784	PI0810524	PI1014544
PI0110801	PI0408274	PI0609785	PI0810525	PI1014760
PI0110843	PI0408284	PI0609797	PI0810606	PI1014802
PI0110893	PI0408331	PI0609801	PI0810715	PI1014877
PI0110914	PI0408347	PI0610108	PI0810951	PI1014956
PI0110940	PI0408365	PI0610125	PI0811035	PI1015124
PI0110947	PI0408422	PI0610132	PI0811170	PI1015338
PI0110955	PI0408424	PI0610187	PI0811198	PI1015367
PI0111015	PI0408457	PI0610197	PI0811267	PI1015568
PI0111016	PI0408466	PI0610201	PI0811275	PI1015569
PI0111060	PI0408569	PI0610206	PI0811280	PI1015996
PI0111116	PI0408639	PI0610235	PI0811333	PI1016132
PI0111140	PI0408689	PI0610321	PI0811387	PI1016215
PI0111142	PI0408716	PI0610322	PI0811478	PI1016219
PI0111191	PI0408749	PI0610336	PI0811499	PI1016257
PI0111222	PI0408767	PI0610343	PI0811589	PI1100782
PI0111591	PI0408948	PI0610359	PI0811637	PI9503812
PI0111596	PI0409124	PI0610423	PI0811649	PI9510590
PI0111639	PI0409133	PI0610454	PI0811745	PI9609230
PI0111743	PI0409206	PI0610580	PI0811859	PI9609414
PI0111793	PI0409227	PI0610644	PI0811930	PI9610049
PI0111830	PI0409258	PI0610683	PI0811949	PI9610262
PI0111859	PI0409319	PI0610704	PI0811985	PI9610679
PI0111911	PI0409322	PI0610786	PI0812064	PI9611229
PI0112014	PI0409348	PI0610796	PI0812172	PI9612617
PI0112057	PI0409357	PI0610876	PI0812185	PI9612693
PI0112080	PI0409387	PI0610994	PI0812248	PI9706471
PI0112101	PI0409413	PI0611093	PI0812250	PI9707709
PI0112115	PI0409424	PI0611095	PI0812348	PI9709524
PI0112140	PI0409450	PI0611202	PI0812403	PI9709823
PI0112269	PI0409469	PI0611316	PI0812432	PI9710372
PI0112276	PI0409471	PI0611350	PI0812504	PI9710460
PI0112362	PI0409532	PI0611400	PI0812765	PI9710537
PI0112375	PI0409557	PI0611409	PI0812775	PI9710560
PI0112407	PI0409623	PI0611414	PI0812792	PI9710828
PI0112411	PI0409655	PI0611443	PI0812795	PI9711079
PI0112452	PI0409718	PI0611600	PI0812816	PI9711137
PI0112475	PI0409741	PI0611742	PI0812835	PI9711437
PI0112584	PI0409787	PI0611744	PI0812865	PI9711856
PI0112646	PI0409789	PI0611752	PI0812878	PI9712073
PI0112725	PI0409889	PI0611820	PI0812913	PI9712254
PI0112785	PI0409895	PI0611828	PI0812919	PI9712348
PI0112787	PI0409928	PI0611872	PI0812942	PI9712544
PI0112799	PI0410029	PI0611886	PI0813011	PI9712917
PI0112859	PI0410037	PI0612138	PI0813140	PI9713180
PI0112928	PI0410044	PI0612188	PI0813194	PI9713596

PI0112962	PI0410129	PI0612273	PI0813237	PI9713653
PI0112986	PI0410341	PI0612309	PI0813244	PI9713914
PI0113042	PI0410445	PI0612317	PI0813307	PI9715268
PI0113048	PI0410455	PI0612364	PI0813309	PI9715297
PI0113085	PI0410456	PI0612411	PI0813333	PI9715334
PI0113101	PI0410503	PI0612475	PI0813363	PI9800956
PI0113105	PI0410520	PI0612534	PI0813412	PI9802144
PI0113109	PI0410562	PI0612628	PI0813450	PI9803708
PI0113110	PI0410563	PI0612654	PI0813499	PI9803914
PI0113146	PI0410663	PI0612669	PI0813550	PI9804699
PI0113155	PI0410711	PI0612670	PI0813644	PI9806774
PI0113162	PI0410714	PI0612672	PI0813654	PI9807076
PI0113189	PI0410741	PI0612674	PI0813662	PI9807124
PI0113286	PI0410748	PI0612728	PI0813695	PI9807222
PI0113331	PI0410789	PI0612752	PI0813777	PI9807234
PI0113400	PI0410792	PI0612781	PI0813823	PI9807312
PI0113420	PI0410842	PI0612848	PI0813942	PI9807464
PI0113425	PI0410846	PI0612888	PI0813948	PI9807685
PI0113470	PI0410876	PI0612901	PI0814065	PI9807848
PI0113477	PI0410922	PI0612926	PI0814115	PI9808010
PI0113539	PI0410963	PI0612931	PI0814220	PI9808069
PI0113669	PI0410972	PI0612957	PI0814231	PI9808251
PI0113670	PI0411055	PI0613001	PI0814252	PI9808642
PI0113757	PI0411068	PI0613146	PI0814254	PI9808748
PI0113837	PI0411095	PI0613307	PI0814260	PI9809078
PI0113942	PI0411103	PI0613401	PI0814288	PI9809387
PI0114042	PI0411114	PI0613499	PI0814299	PI9809388
PI0114069	PI0411132	PI0613570	PI0814308	PI9809391
PI0114101	PI0411259	PI0613754	PI0814448	PI9809791
PI0114156	PI0411268	PI0613859	PI0814482	PI9810436
PI0114344	PI0411361	PI0613861	PI0814529	PI9810654
PI0114400	PI0411367	PI0613970	PI0814613	PI9810945
PI0114510	PI0411563	PI0613999	PI0814697	PI9811679
PI0114576	PI0411603	PI0614040	PI0814725	PI9811730
PI0114618	PI0411613	PI0614062	PI0814737	PI9811803
PI0114622	PI0411702	PI0614079	PI0814808	PI9811989
PI0114633	PI0411705	PI0614099	PI0814835	PI9811994
PI0114704	PI0411713	PI0614122	PI0814957	PI9812267
PI0114728	PI0411715	PI0614197	PI0814958	PI9812928
PI0114870	PI0411723	PI0614434	PI0814962	PI9813391
PI0114927	PI0411726	PI0614456	PI0815008	PI9814014
PI0114933	PI0411820	PI0614475	PI0815048	PI9814374
PI0114994	PI0411825	PI0614493	PI0815050	PI9814499
PI0115019	PI0411843	PI0614524	PI0815057	PI9814658
PI0115076	PI0411868	PI0614545	PI0815094	PI9815642
PI0115102	PI0411895	PI0614654	PI0815110	PI9815711
PI0115193	PI0411900	PI0614700	PI0815129	PI9815788

PI0115250	PI0411904	PI0614917	PI0815142	PI9816218
PI0115306	PI0412138	PI0614941	PI0815203	PI9816233
PI0115483	PI0412153	PI0615046	PI0815331	PI9816350
PI0115531	PI0412248	PI0615095	PI0815360	PI9816369
PI0115533	PI0412259	PI0615111	PI0815370	PI9901068
PI0115785	PI0412263	PI0615334	PI0815387	PI9902068
PI0115794	PI0412273	PI0615355	PI0815455	PI9904493
PI0115804	PI0412314	PI0615358	PI0815547	PI9905634
PI0115806	PI0412365	PI0615384	PI0815564	PI9905902
PI0115814	PI0412391	PI0615394	PI0815567	PI9906372
PI0115816	PI0412444	PI0615690	PI0815578	PI9906735
PI0115843	PI0412478	PI0615785	PI0815591	PI9907025
PI0115859	PI0412567	PI0615787	PI0815595	PI9907084
PI0115910	PI0412651	PI0615819	PI0815611	PI9907100
PI0115953	PI0412707	PI0615835	PI0815708	PI9907151
PI0115965	PI0412752	PI0615860	PI0815748	PI9907647
PI0116013	PI0412855	PI0615898	PI0815946	PI9907866
PI0116060	PI0412890	PI0615958	PI0815975	PI9908088
PI0116065	PI0412913	PI0615989	PI0816064	PI9908132
PI0116121	PI0413008	PI0616054	PI0816117	PI9908182
PI0116208	PI0413018	PI0616071	PI0816219	PI9908472
PI0116215	PI0413057	PI0616077	PI0816258	PI9908557
PI0116227	PI0413081	PI0616078	PI0816264	PI9908893
PI0116237	PI0413232	PI0616111	PI0816325	PI9909018
PI0116299	PI0413276	PI0616127	PI0816364	PI9909107
PI0116397	PI0413309	PI0616155	PI0816405	PI9909201
PI0116417	PI0413318	PI0616169	PI0816437	PI9909220
PI0116444	PI0413323	PI0616224	PI0816554	PI9909313
PI0116589	PI0413361	PI0616264	PI0816767	PI9909471
PI0116607	PI0413430	PI0616374	PI0816994	PI9909660
PI0116659	PI0413437	PI0616393	PI0817096	PI9909678
PI0116728	PI0413489	PI0616441	PI0817108	PI9909730
PI0116757	PI0413497	PI0616452	PI0817223	PI9909796
PI0116793	PI0413536	PI0616492	PI0817396	PI9909860
PI0116853	PI0413565	PI0616535	PI0817482	PI9909908
PI0116865	PI0413582	PI0616536	PI0817503	PI9910024
PI0116945	PI0413595	PI0616630	PI0817535	PI9910332
PI0116967	PI0413616	PI0616694	PI0817824	PI9910406
PI0117137	PI0413618	PI0616712	PI0817843	PI9910445
PI0117138	PI0413676	PI0616799	PI0817954	PI9910504
PI0117143	PI0413721	PI0616801	PI0818004	PI9910893
PI0117180	PI0413728	PI0616824	PI0818006	PI9910900
PI0117190	PI0413742	PI0616936	PI0818118	PI9911178
PI0117198	PI0413756	PI0616944	PI0818121	PI9911326
PI0117227	PI0413848	PI0616960	PI0818161	PI9911389
PI0117233	PI0413901	PI0616962	PI0818165	PI9911756
PI0117343	PI0413922	PI0616982	PI0818193	PI9911795

PI0200269	PI0413927	PI0617045	PI0818201	PI9911849
PI0200751	PI0413964	PI0617159	PI0818249	PI9911942
PI0200827	PI0413991	PI0617162	PI0818272	PI9912106
PI0201437	PI0414000	PI0617167	PI0818318	PI9912125
PI0202064	PI0414008	PI0617180	PI0818324	PI9912156
PI0202458	PI0414017	PI0617294	PI0818437	PI9912177
PI0202903	PI0414059	PI0617318	PI0818464	PI9912208
PI0203067	PI0414062	PI0617412	PI0818533	PI9912266
PI0203068	PI0414105	PI0617436	PI0818541	PI9912269
PI0203172	PI0414107	PI0617485	PI0818618	PI9912327
PI0203246	PI0414130	PI0617517	PI0818672	PI9912485
PI0203394	PI0414174	PI0617653	PI0818677	PI9912495
PI0203949	PI0414181	PI0617654	PI0818718	PI9912819
PI0204007	PI0414209	PI0617664	PI0818719	PI9912896
PI0204079	PI0414220	PI0617775	PI0818762	PI9912974
PI0204125	PI0414222	PI0617830	PI0818893	PI9912980
PI0204130	PI0414254	PI0617880	PI0818903	PI9913003
PI0204377	PI0414268	PI0617918	PI0818937	PI9913097
PI0204489	PI0414269	PI0617995	PI0818957	PI9913138
PI0206193	PI0414512	PI0618211	PI0818978	PI9913178
PI0206336	PI0414532	PI0618215	PI0819026	PI9913360
PI0206433	PI0414534	PI0618321	PI0819138	PI9913441
PI0206501	PI0414535	PI0618354	PI0819152	PI9913444
PI0206509	PI0414539	PI0618552	PI0819231	PI9913542
PI0206636	PI0414541	PI0618589	PI0819319	PI9913596
PI0206641	PI0414548	PI0618705	PI0819323	PI9913646
PI0206672	PI0414551	PI0618739	PI0819340	PI9913652
PI0206689	PI0414581	PI0618918	PI0819690	PI9913698
PI0206723	PI0414655	PI0618956	PI0819719	PI9913721
PI0206724	PI0414780	PI0619010	PI0819776	PI9913746
PI0206804	PI0414787	PI0619134	PI0819795	PI9913945
PI0206809	PI0414845	PI0619153	PI0819833	PI9914151
PI0206823	PI0414849	PI0619230	PI0819849	PI9914164
PI0206841	PI0414860	PI0619255	PI0819909	PI9914221
PI0207141	PI0415010	PI0619282	PI0819960	PI9914258
PI0207172	PI0415053	PI0619357	PI0820112	PI9914355
PI0207215	PI0415070	PI0619399	PI0820156	PI9914375
PI0207394	PI0415215	PI0619428	PI0820171	PI9914508
PI0207447	PI0415242	PI0619572	PI0820175	PI9914698
PI0207502	PI0415273	PI0619595	PI0820258	PI9914977
PI0207566	PI0415288	PI0619605	PI0820308	PI9915142
PI0207664	PI0415374	PI0619641	PI0820432	PI9915251
PI0207700	PI0415424	PI0619747	PI0820455	PI9915326
PI0207767	PI0415531	PI0619748	PI0820474	PI9915480
PI0207775	PI0415541	PI0619795	PI0820520	PI9915542
PI0207933	PI0415622	PI0619817	PI0820535	PI9915545
PI0207961	PI0415623	PI0619823	PI0820749	PI9915552

PI0208021	PI0415634	PI0619839	PI0820779	PI9915679
PI0208075	PI0415695	PI0619894	PI0820838	PI9915682
PI0208103	PI0415744	PI0620042	PI0820960	PI9915703
PI0208124	PI0415853	PI0620063	PI0821003	PI9915822
PI0208183	PI0415870	PI0620081	PI0821027	PI9915841
PI0208210	PI0415953	PI0620163	PI0821039	PI9915883
PI0208301	PI0416006	PI0620185	PI0821090	PI9915985
PI0208324	PI0416028	PI0620193	PI0821110	PI9915988
PI0208367	PI0416123	PI0620229	PI0821116	PI9916069
PI0208411	PI0416141	PI0620239	PI0821145	PI9916095
PI0208456	PI0416227	PI0620265	PI0821157	PI9916096
PI0208468	PI0416246	PI0620268	PI0821165	PI9916549
PI0208535	PI0416370	PI0620291	PI0821168	PI9916853
PI0208566	PI0416404	PI0620403	PI0821240	PI9917007
PI0208652	PI0416444	PI0620408	PI0821266	PI9917086
PI0208675	PI0416611	PI0620431	PI0821301	PI9917348
PI0208676	PI0416679	PI0620436	PI0821373	PI9917389
PI0208703	PI0416702	PI0620460	PI0821375	PI9917526
PI0208811	PI0416736	PI0620566	PI0821454	PI9917701
PI0208870	PI0416746	PI0620629	PI0821467	PI9917739
PI0208957	PI0416752	PI0620803	PI0821474	PI9917760
PI0209134	PI0416779	PI0620806	PI0821514	PI9917806
PI0209157	PI0416816	PI0620946	PI0821616	PI9917841
PI0209216	PI0416837	PI0620983	PI0821653	PI9917862
PI0209249	PI0416842	PI0620985	PI0821658	PI9917863
PI0209554	PI0416854	PI0621304	PI0821683	PI9917881
PI0209619	PI0416950	PI0621347	PI0821739	PI9917910
PI0209684	PI0417072	PI0621386	PI0821741	112012000029
PI0209685	PI0417193	PI0621446	PI0821743	112012000101
PI0209748	PI0417266	PI0621449	PI0821773	112012000115
PI0209792	PI0417268	PI0621487	PI0821777	112012000204
PI0209821	PI0417272	PI0621537	PI0821855	112012000287
PI0209824	PI0417339	PI0621556	PI0821975	112012000530
PI0209850	PI0417423	PI0621580	PI0821994	112012000569
PI0209852	PI0417469	PI0621656	PI0822026	112012000760
PI0209853	PI0417493	PI0621693	PI0822069	112012000763
PI0209909	PI0417530	PI0621800	PI0822111	112012000804
PI0209933	PI0417534	PI0621829	PI0822162	112012000914
PI0209943	PI0417605	PI0621841	PI0822206	112012000942
PI0210010	PI0417609	PI0621873	PI0822238	112012000968
PI0210074	PI0417695	PI0621996	PI0822337	112012001061
PI0210076	PI0417721	PI0622054	PI0822415	112012001344
PI0210085	PI0417744	PI0622061	PI0822510	112012001349
PI0210096	PI0417769	PI0700767	PI0822909	112012001353
PI0210106	PI0417800	PI0700832	PI0822929	112012001817
PI0210266	PI0417809	PI0700927	PI0823004	112012001899
PI0210282	PI0417810	PI0702096	PI0823082	112012001984

PI0210317	PI0417858	PI0702738	PI0823096	112012001998
PI0210335	PI0417895	PI0703175	PI0823128	112012002069
PI0210383	PI0417958	PI0703315	PI0823228	112012002134
PI0210405	PI0417992	PI0703559	PI0823391	112012002143
PI0210428	PI0418005	PI0703658	PI0900057	112012002265
PI0210444	PI0418029	PI0703747	PI0900802	112012002578
PI0210541	PI0418074	PI0704074	PI0900896	112012002817
PI0210549	PI0418082	PI0704227	PI0900961	112012002981
PI0210561	PI0418113	PI0704459	PI0900983	112012003064
PI0210568	PI0418152	PI0704542	PI0901321	112012003149
PI0210574	PI0418228	PI0704650	PI0901602	112012003464
PI0210579	PI0418245	PI0704700	PI0902039	112012003592
PI0210590	PI0418251	PI0704730	PI0902143	112012003643
PI0210598	PI0418276	PI0704816	PI0902481	112012004284
PI0210601	PI0418306	PI0704854	PI0902782	112012004395
PI0210707	PI0418309	PI0704902	PI0902901	112012004464
PI0210746	PI0418405	PI0705072	PI0902923	112012004692
PI0210771	PI0418639	PI0705126	PI0903009	112012004696
PI0210866	PI0418765	PI0705221	PI0903089	112012004697
PI0210886	PI0418766	PI0705370	PI0903359	112012004731
PI0210941	PI0418805	PI0705564	PI0903460	112012004806
PI0211025	PI0419032	PI0705586	PI0903464	112012004851
PI0211055	PI0419105	PI0705630	PI0903616	112012004945
PI0211101	PI0419111	PI0705865	PI0903664	112012004967
PI0211151	PI0419182	PI0705874	PI0903700	112012005011
PI0211276	PI0419274	PI0705880	PI0904020	112012005044
PI0211282	PI0419305	PI0706003	PI0904083	112012005511
PI0211320	PI0419327	PI0706004	PI0904197	112012005774
PI0211334	PI0419345	PI0706575	PI0904827	112012005895
PI0211379	PI0419348	PI0706676	PI0905076	112012006103
PI0211439	PI0500393	PI0706709	PI0905080	112012006233
PI0211570	PI0500395	PI0706726	PI0905094	112012006626
PI0211635	PI0500478	PI0706742	PI0905179	112012006635
PI0211665	PI0500480	PI0706801	PI0905347	112012006686
PI0211749	PI0500585	PI0706947	PI0905355	112012006692
PI0211827	PI0500590	PI0706992	PI0905369	112012007085
PI0211844	PI0502016	PI0707043	PI0905584	112012007179
PI0211899	PI0502037	PI0707044	PI0905645	112012007301
PI0211909	PI0502080	PI0707117	PI0905656	112012007411
PI0211953	PI0502081	PI0707154	PI0905725	112012007747
PI0211997	PI0502399	PI0707185	PI0905733	112012007828
PI0212028	PI0502657	PI0707203	PI0905847	112012007991
PI0212116	PI0502744	PI0707235	PI0905946	112012008001
PI0212172	PI0503187	PI0707247	PI0906064	112012008332
PI0212195	PI0503201	PI0707300	PI0906094	112012008370
PI0212266	PI0503535	PI0707302	PI0906104	112012008507
PI0212298	PI0503817	PI0707333	PI0906158	112012008823

PI0212299	PI0503821	PI0707334	PI0906197	112012008854
PI0212341	PI0504046	PI0707401	PI0906248	112012009144
PI0212346	PI0504199	PI0707465	PI0906367	112012009289
PI0212405	PI0504469	PI0707488	PI0906369	112012009310
PI0212455	PI0504559	PI0707491	PI0906404	112012009376
PI0212545	PI0504593	PI0707493	PI0906444	112012009660
PI0212586	PI0504979	PI0707543	PI0906467	112012009846
PI0212726	PI0505573	PI0707559	PI0906478	112012009854
PI0212733	PI0506125	PI0707560	PI0906495	112012010102
PI0212775	PI0506399	PI0707612	PI0906503	112012010124
PI0212894	PI0506400	PI0707700	PI0906710	112012010186
PI0212919	PI0506496	PI0707733	PI0906804	112012010325
PI0212922	PI0506607	PI0707779	PI0906903	112012010392
PI0213063	PI0506631	PI0707991	PI0906962	112012010689
PI0213154	PI0506662	PI0708001	PI0907028	112012011297
PI0213165	PI0506726	PI0708038	PI0907052	112012011331
PI0213175	PI0506736	PI0708095	PI0907122	112012011381
PI0213220	PI0506751	PI0708098	PI0907135	112012011403
PI0213223	PI0506812	PI0708101	PI0907290	112012011427
PI0213226	PI0506838	PI0708114	PI0907298	112012011689
PI0213243	PI0506906	PI0708148	PI0907382	112012011947
PI0213393	PI0506948	PI0708278	PI0907469	112012012025
PI0213425	PI0506970	PI0708291	PI0907724	112012012151
PI0213522	PI0507024	PI0708307	PI0907797	112012012210
PI0213564	PI0507065	PI0708344	PI0907832	112012012499
PI0213570	PI0507076	PI0708349	PI0907844	112012012539
PI0213574	PI0507233	PI0708490	PI0907898	112012012617
PI0213653	PI0507240	PI0708519	PI0908026	112012012815
PI0213739	PI0507347	PI0708554	PI0908276	112012012947
PI0213786	PI0507433	PI0708685	PI0908353	112012012997
PI0213844	PI0507442	PI0708771	PI0908406	112012013325
PI0213846	PI0507473	PI0708804	PI0908421	112012013426
PI0214043	PI0507476	PI0708909	PI0908425	112012013427
PI0214119	PI0507521	PI0708965	PI0908539	112012013503
PI0214137	PI0507580	PI0709050	PI0908541	112012013724
PI0214168	PI0507622	PI0709057	PI0908569	112012013954
PI0214188	PI0507644	PI0709106	PI0908635	112012013975
PI0214256	PI0507873	PI0709266	PI0908637	112012014107
PI0214264	PI0507875	PI0709271	PI0908686	112012014190
PI0214322	PI0507897	PI0709282	PI0908887	112012014415
PI0214412	PI0507984	PI0709606	PI0909037	112012014558
PI0214562	PI0508096	PI0709633	PI0909040	112012015016
PI0214705	PI0508183	PI0709680	PI0909044	112012015337
PI0214716	PI0508263	PI0709690	PI0909123	112012015386
PI0214786	PI0508286	PI0709769	PI0909142	112012015852
PI0214840	PI0508321	PI0709772	PI0909171	112012016330
PI0215003	PI0508390	PI0709773	PI0909211	112012016982

PI0215050	PI0508410	PI0709803	PI0909227	112012017124
PI0215158	PI0508461	PI0709834	PI0909267	112012017476
PI0215189	PI0508464	PI0709847	PI0909564	112012017554
PI0215213	PI0508540	PI0709866	PI0909630	112012017831
PI0215214	PI0508570	PI0709916	PI0909695	112012018170
PI0215277	PI0508578	PI0709960	PI0909752	112012019458
PI0215312	PI0508609	PI0710085	PI0909782	112012020060
PI0215331	PI0508622	PI0710185	PI0909936	112012020223
PI0215394	PI0508703	PI0710195	PI0910036	112012020252
PI0215485	PI0508758	PI0710232	PI0910182	112012020855
PI0215517	PI0508813	PI0710266	PI0910184	112012021326
PI0215703	PI0508814	PI0710405	PI0910268	112012021327
PI0215731	PI0508820	PI0710483	PI0910368	112012021372
PI0215777	PI0508830	PI0710485	PI0910439	112012021445
PI0215795	PI0508865	PI0710508	PI0910455	112012021451
PI0215855	PI0508876	PI0710527	PI0910461	112012021873
PI0216033	PI0509069	PI0710542	PI0910509	112012023324
PI0216042	PI0509079	PI0710548	PI0910513	112012023660
PI0216049	PI0509146	PI0710671	PI0910530	112012024826
PI0216127	PI0509148	PI0710682	PI0910541	112012025475
PI0216272	PI0509150	PI0710918	PI0910690	112012025872
PI0300648	PI0509217	PI0710944	PI0910746	112012026801
PI0300770	PI0509256	PI0710959	PI0910832	112012027062
PI0300914	PI0509331	PI0710965	PI0910874	112012027595
PI0300997	PI0509364	PI0711121	PI0911031	112012028548
PI0301023	PI0509365	PI0711310	PI0911035	112012031102
PI0301159	PI0509366	PI0711326	PI0911161	112013002721
PI0302017	PI0509383	PI0711333	PI0911176	112013020331
PI0302074	PI0509482	PI0711482	PI0911243	122012003821
PI0302215	PI0509529	PI0711486	PI0911273	122012005794
PI0302250	PI0509553	PI0711519	PI0911385	122012009489
PI0302496	PI0509595	PI0711608	PI0911422	122012009534
PI0302736	PI0509598	PI0711646	PI0911431	122012012032
PI0302987	PI0509659	PI0711741	PI0911444	122012014331
PI0303266	PI0509667	PI0711767	PI0911497	122012015772
PI0303416	PI0509708	PI0711805	PI0911511	122012018280
PI0303570	PI0509761	PI0711858	PI0911577	122012021252
PI0303598	PI0509827	PI0711889	PI0911622	122012026540
PI0304821	PI0509847	PI0711900	PI0911634	122012030846
PI0304933	PI0509912	PI0711908	PI0911650	122012031567
PI0304952	PI0509946	PI0712001	PI0911659	122013000700
PI0305188	PI0509976	PI0712064	PI0911678	122013008865
PI0305197	PI0510016	PI0712073	PI0911679	122013025375
PI0305500	PI0510044	PI0712098	PI0911681	122013028005
PI0305559	PI0510059	PI0712101	PI0911699	122013028012
PI0305614	PI0510063	PI0712158	PI0911847	122013033343
PI0305913	PI0510080	PI0712224	PI0911907	122013033954

PI0306026	PI0510093	PI0712346	PI0911991	122014001142
PI0306143	PI0510114	PI0712353	PI0912021	122014006936
PI0306167	PI0510170	PI0712396	PI0912112	122014013631
PI0306214	PI0510177	PI0712478	PI0912159	122014024864
PI0306245	PI0510254	PI0712608	PI0912171	122014026685
PI0306559	PI0510269	PI0712631	PI0912266	122014030154
PI0306644	PI0510274	PI0712816	PI0912294	122014030158
PI0306736	PI0510419	PI0712819	PI0912411	122015016313
PI0306774	PI0510465	PI0712910	PI0912475	122015016314
PI0306905	PI0510475	PI0712936	PI0912541	122015020406
PI0306907	PI0510500	PI0712953	PI0912570	122015023612
PI0306941	PI0510567	PI0713031	PI0912693	122016002916
PI0306973	PI0510604	PI0713063	PI0913109	122016004010
PI0306993	PI0510664	PI0713105	PI0913326	122016006880
PI0307017	PI0510717	PI0713132	PI0913379	122016015715
PI0307048	PI0510778	PI0713153	PI0913397	122016021801
PI0307056	PI0510883	PI0713221	PI0913434	122016022033
PI0307057	PI0511026	PI0713252	PI0913580	122016030094
PI0307072	PI0511067	PI0713257	PI0913609	122017024057
PI0307117	PI0511072	PI0713436	PI0913612	122017028096
PI0307123	PI0511073	PI0713446	PI0913665	122018007328
PI0307267	PI0511080	PI0713481	PI0913724	122018077504
PI0307276	PI0511095	PI0713544	PI0913831	122019002291
PI0307293	PI0511135	PI0713565	PI0913855	122019021689
				122019021714

**Diretoria de Patentes, Programas de Computador e
Topografias de Circuitos Integrados**