

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3835039

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FUJITSU SEMICONDUCTOR LIMITED	08/29/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SPANSION LLC
<b>Street Address:</b>	915 DEGUIGNE DRIVE
<b>City:</b>	SUNNYVALE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94085
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14218169
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)545-6911
<i>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.</i>	
<b>Phone:</b>	408-943-6878
<b>Email:</b>	pbj@cypress.com
<b>Correspondent Name:</b>	CYPRESS SEMICONDUCTOR CORPORATION
<b>Address Line 1:</b>	198 CHAMPION COURT
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95134
<b>ATTORNEY DOCKET NUMBER:</b>	SPN09026C1
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER JORDAN
<b>SIGNATURE:</b>	/Christopher Jordan/
<b>DATE SIGNED:</b>	04/18/2016
<b>Total Attachments: 29</b>	
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### Assignment

Whereas, Fujitsu Semiconductor Limited, of 2-10-23 Shinyokohama Kohoku-ku, Yokohama-shi, Kanagawa 222-0033 Japan, hereinafter referred to as "Assignor", is the owner of the entire right, title and interest in the patents and applications (hereafter collectively referred to as "Assets") listed in the attached schedule ; and

Whereas, Spansion LLC of 915 DeGuigne Drive, Sunnyvale, CA 94085 United States, hereinafter referred to as "Assignee", desires to acquire the entire right, title, and interest of the Assignor in the said Assets;

Now, therefore, for valuable consideration, receipt of which is hereby acknowledged, subject to the terms and conditions of the Intellectual Property Assignment Agreement entered into between Assignor and Assignee dated August 1, 2013, the above-named Assignor hereby sells, assigns and transfers to the above-named Assignee, the entire right, title and interest in

- (a) said Assets and any and all inventions described therein; and
- (b) any issued patents, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations thereof; and
- (c) in any and all forms of intellectual and industrial property protection derivable from such Assets, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such Assets, including, without limitation, patents, applications, utility models, inventor's certificates, and designs;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor if this assignment and sale had not been made, including but not limited to all claims for damages and any other remedies by reason of past, present and future infringement of the intellectual property rights of (a), (b) and (c) with the right to Assignee to sue for and collect the same for their own use and enjoyment, and the right to claim priority to the Assets.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

**Fujitsu Semiconductor Limited**

By: Akinori Tahara

Akinori Tahara

Title: Head of Unit, Intellectual Property Unit

Date: Aug. 29, 2013

Schedule of Pending U.S. Applications

Application No.	Publication Number	Assignee	Country	Status
13746477	US20130140642A1	Fujitsu Semiconductor Limited	United States	Pending
13749246	US20130135940A1	Fujitsu Semiconductor Limited	United States	Pending
13685827	US20130088207A1	Fujitsu Semiconductor Limited	United States	Pending
13558093	US20130057421A1	Fujitsu Semiconductor Limited	United States	Pending
13589354	US20130054941A1	Fujitsu Semiconductor Limited	United States	Pending
13564357	US20130038385A1	Fujitsu Semiconductor Limited	United States	Pending
13471604	US20120306465A1	Fujitsu Semiconductor Limited	United States	Pending
13371533	US20120217910A1	Fujitsu Semiconductor Limited	United States	Pending
13328775	US20120212195A1	Fujitsu Semiconductor Limited	United States	Pending
13316517	US20120192282A1	Fujitsu Semiconductor Limited	United States	Pending
13309904	US20120183021A1	Fujitsu Semiconductor Limited	United States	Pending
13279679	US20120151096A1	Fujitsu Semiconductor Limited	United States	Pending
13213241	US20120124407A1	Fujitsu Semiconductor Limited	United States	Pending
13158179	US20120099385A1	Fujitsu Semiconductor Limited	United States	Pending
13187013	US20120091981A1	Fujitsu Semiconductor Limited	United States	Pending
13313565	US20120076142A1	Fujitsu Semiconductor Limited	United States	Pending

Application No.	Publication Number	Assignee	Country	Status
13173926	US20120056610A1	Fujitsu Semiconductor Limited	United States	Pending
13117717	US20120049811A1	Fujitsu Semiconductor Limited	United States	Pending
13088328	US20120025797A1	Fujitsu Semiconductor Limited	United States	Pending
13125462	US20120019186A1	Fujitsu Semiconductor Limited	United States	Pending
13014318	US20110302456A1	Fujitsu Semiconductor Limited	United States	Pending
13028840	US20110289298A1	Fujitsu Semiconductor Limited	United States	Pending
13070186	US20110258517A1	Fujitsu Semiconductor Limited	United States	Pending
13073691	US20110246747A1	Fujitsu Semiconductor Limited	United States	Pending
13039839	US20110238896A1	Fujitsu Semiconductor Limited	United States	Pending
13035485	US20110234195A1	Fujitsu Semiconductor Limited	United States	Pending
13036956	US20110227636A1	Fujitsu Semiconductor Limited	United States	Pending
13022992	US20110216863A1	Fujitsu Semiconductor Limited	United States	Pending
12973730	US20110185152A1	Fujitsu Semiconductor Limited	United States	Pending
13008374	US20110175588A1	Fujitsu Semiconductor Limited	United States	Pending
12976068	US20110158243A1	Fujitsu Semiconductor Limited	United States	Pending
12853425	US20110037451A1	Fujitsu Semiconductor Limited	United States	Pending
12844928	US20110025283A1	Fujitsu Semiconductor Limited	United States	Pending

Application No.	Publication Number	Assignee	Country	Status
12835732	US20110012672A1	Fujitsu Semiconductor Limited	United States	Pending
12795462	US20100332795A1	Fujitsu Semiconductor Limited	United States	Pending
12822651	US20100330933A1	Fujitsu Semiconductor Limited	United States	Pending
12819890	US20100320981A1	Fujitsu Semiconductor Limited	United States	Pending
12791280	US20100318767A1	Fujitsu Semiconductor Limited	United States	Pending
12794158	US20100309190A1	Fujitsu Semiconductor Limited	United States	Pending
12580993	US20100268963A1	Fujitsu Semiconductor Limited	United States	Pending
12723320	US20100257335A1	Fujitsu Semiconductor Limited	United States	Pending
12729864	US20100251022A1	Fujitsu Semiconductor Limited	United States	Pending
12721667	US20100235686A1	Fujitsu Semiconductor Limited	United States	Pending
12717681	US20100225292A1	Fujitsu Semiconductor Limited	United States	Pending
12769143	US20100208755A1	Fujitsu Semiconductor Limited	United States	Pending
12697879	US20100194352A1	Fujitsu Semiconductor Limited	United States	Pending
12606870	US20100161989A1	Fujitsu Semiconductor Limited	United States	Pending
12625041	US20100142562A1	Fujitsu Semiconductor Limited	United States	Pending
12708332	US20100141218A1	Fujitsu Semiconductor Limited	United States	Pending
12617427	US20100134081A1	Fujitsu Semiconductor Limited	United States	Pending

Application No.	Publication Number	Assignee	Country	Status
12569193	US20100085370A1	Fujitsu Semiconductor Limited	United States	Pending
12428212	US20090322759A1	Fujitsu Semiconductor Limited	United States	Pending
12549708	US20090319835A1	Fujitsu Semiconductor Limited	United States	Pending
12410152	US20090225901A1	Fujitsu Semiconductor Limited	United States	Pending
12255356	US20090115382A1	Fujitsu Semiconductor Limited	United States	Pending
12213871	US20090037888A1	Fujitsu Semiconductor Limited	United States	Pending
12037297	US20080208555A1	Fujitsu Semiconductor Limited	United States	Pending
12108256	US20080205165A1	Fujitsu Semiconductor Limited	United States	Pending
11501870	US20070226718A1	Fujitsu Semiconductor Limited	United States	Pending
11520778	US20070071360A1	Fujitsu Semiconductor Limited	United States	Pending
13863946		Fujitsu Semiconductor Limited	United States	Pending
13927831		Fujitsu Semiconductor Limited	United States	Pending
13937904		Fujitsu Semiconductor Limited	United States	Pending
13942018		Fujitsu Semiconductor Limited	United States	Pending
13316522	US20120212194A1	Fujitsu Semiconductor Limited	United States	Pending
13305684	US20120206058A1	Fujitsu Semiconductor Limited	United States	Pending
13219211	US20120134457A1	Fujitsu Semiconductor Limited	United States	Pending



Application No.	Publication Number	Assignee	Country	Status
13218154	US20120133416A1	Fujitsu Semiconductor Limited	United States	Pending
13158054	US20110316515A1	Fujitsu Semiconductor Limited	United States	Pending
13102158	US20110209006A1	Fujitsu Semiconductor Limited	United States	Pending
13022410	US20110205808A1	Fujitsu Semiconductor Limited	United States	Pending
12954756	US20110127981A1	Fujitsu Semiconductor Limited	United States	Pending
12817692	US20100321078A1	Fujitsu Semiconductor Limited	United States	Pending
12815126	US20100320991A1	Fujitsu Semiconductor Limited	United States	Pending
12605115	US20100134084A1	Fujitsu Semiconductor Limited	United States	Pending
12548751	US20090319988A1	Fujitsu Semiconductor Limited	United States	Pending
12184075	US20080310570A1	Fujitsu Semiconductor Limited	United States	Pending
12068122	US20080208554A1	Fujitsu Semiconductor Limited	United States	Pending
11350072	US20070083852A1	Fujitsu Semiconductor Limited	United States	Pending
11131244	US20060176932A1	Fujitsu Semiconductor Limited	United States	Pending

Schedule of Granted U.S. Patents

Patent Number	Assignee	Country	Status
USRE43911E1	Fujitsu Semiconductor Limited	United States	Granted
USRE41915E1	Fujitsu Semiconductor Limited	United States	Granted
US8462167B2	Fujitsu Semiconductor Limited	United States	Granted
US8456235B2	Fujitsu Semiconductor Limited	United States	Granted
US8436687B2	Fujitsu Semiconductor Limited	United States	Granted
US8436598B2	Fujitsu Semiconductor Limited	United States	Granted
US8423834B2	Fujitsu Semiconductor Limited	United States	Granted
US8422404B2	Fujitsu Semiconductor Limited	United States	Granted
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US8352533B2	Fujitsu Semiconductor Limited	United States	Granted
US8345503B2	Fujitsu Semiconductor Limited	United States	Granted
US8344711B2	Fujitsu Semiconductor Limited	United States	Granted

Patent Number	Assignee	Country	Status
US8339206B2	Fujitsu Semiconductor Limited	United States	Granted
US8335110B2	Fujitsu Semiconductor Limited	United States	Granted
US8324873B2	Fujitsu Semiconductor Limited	United States	Granted
US8319482B2	Fujitsu Semiconductor Limited	United States	Granted
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US8234613B2	Fujitsu Semiconductor Limited	United States	Granted
US8233257B2	Fujitsu Semiconductor Limited	United States	Granted
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US8190928B2	Fujitsu Semiconductor Limited	United States	Granted
US8149026B2	Fujitsu Semiconductor Limited	United States	Granted
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US8032794B2	Fujitsu Semiconductor Limited	United States	Granted
US8024495B2	Fujitsu Semiconductor Limited	United States	Granted
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Patent Number	Assignee	Country	Status
US7990134B2	Fujitsu Semiconductor Limited	United States	Granted
US7982431B2	Fujitsu Semiconductor Limited	United States	Granted
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US7791306B2	Fujitsu Semiconductor Limited	United States	Granted

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US7683598B2	Fujitsu Semiconductor Limited	United States	Granted

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Patent Number	Assignee	Country	Status
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Patent Number	Assignee	Country	Status
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US7301413B2	Fujitsu Semiconductor Limited	United States	Granted

Patent Number	Assignee	Country	Status
US7301412B2	Fujitsu Semiconductor Limited	United States	Granted
US7298117B2	Fujitsu Semiconductor Limited	United States	Granted
US7279990B2	Fujitsu Semiconductor Limited	United States	Granted
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US7276944B2	Fujitsu Semiconductor Limited	United States	Granted
US7268448B2	Fujitsu Semiconductor Limited	United States	Granted
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US7262587B2	Fujitsu Semiconductor Limited	United States	Granted
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US7242170B1	Fujitsu Semiconductor Limited	United States	Granted
US7236047B2	Fujitsu Semiconductor Limited	United States	Granted
US7233273B2	Fujitsu Semiconductor Limited	United States	Granted
US7227784B2	Fujitsu Semiconductor Limited	United States	Granted

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US7224606B2	Fujitsu Semiconductor Limited	United States	Granted
US7224152B2	Fujitsu Semiconductor Limited	United States	Granted
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US7196379B2	Fujitsu Semiconductor Limited	United States	Granted
US7193401B1	Fujitsu Semiconductor Limited	United States	Granted
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US7176740B2	Fujitsu Semiconductor Limited	United States	Granted
US7176663B2	Fujitsu Semiconductor Limited	United States	Granted
US7174435B2	Fujitsu Semiconductor Limited	United States	Granted
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US7149830B2	Fujitsu Semiconductor Limited	United States	Granted
US7136956B2	Fujitsu Semiconductor Limited	United States	Granted
US7135895B2	Fujitsu Semiconductor Limited	United States	Granted

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US7113041B2	Fujitsu Semiconductor Limited	United States	Granted
US7103132B1	Fujitsu Semiconductor Limited	United States	Granted
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US7075159B2	Fujitsu Semiconductor Limited	United States	Granted
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US7068116B2	Fujitsu Semiconductor Limited	United States	Granted
US7064743B2	Fujitsu Semiconductor Limited	United States	Granted
US7045990B2	Fujitsu Semiconductor Limited	United States	Granted

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US7028237B2	Fujitsu Semiconductor Limited	United States	Granted
US7019501B2	Fujitsu Semiconductor Limited	United States	Granted
US7012454B2	Fujitsu Semiconductor Limited	United States	Granted
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US7007134B2	Fujitsu Semiconductor Limited	United States	Granted
US7006936B2	Fujitsu Semiconductor Limited	United States	Granted
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US6943616B2	Fujitsu Semiconductor Limited	United States	Granted
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US6917191B2	Fujitsu Semiconductor Limited	United States	Granted
US6903609B2	Fujitsu Semiconductor Limited	United States	Granted
US6897635B2	Fujitsu Semiconductor Limited	United States	Granted
US6895496B1	Fujitsu Semiconductor Limited	United States	Granted
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US6876185B2	Fujitsu Semiconductor Limited	United States	Granted
US6870778B2	Fujitsu Semiconductor Limited	United States	Granted
US6867623B2	Fujitsu Semiconductor Limited	United States	Granted
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US6862217B2	Fujitsu Semiconductor Limited	United States	Granted
US6853257B2	Fujitsu Semiconductor Limited	United States	Granted
US6842063B2	Fujitsu Semiconductor Limited	United States	Granted



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US6828764B2	Fujitsu Semiconductor Limited	United States	Granted
US6826192B2	Fujitsu Semiconductor Limited	United States	Granted
US6806782B2	Fujitsu Semiconductor Limited	United States	Granted
US6788152B2	Fujitsu Semiconductor Limited	United States	Granted
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US6775741B2	Fujitsu Semiconductor Limited	United States	Granted
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US6765420B2	Fujitsu Semiconductor Limited	United States	Granted
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US6690236B2	Fujitsu Semiconductor Limited	United States	Granted
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US6674657B2	Fujitsu Semiconductor Limited	United States	Granted
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US6535960B1	Fujitsu Semiconductor Limited	United States	Granted
US6529083B2	Fujitsu Semiconductor Limited	United States	Granted

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US6515525B2	Fujitsu Semiconductor Limited	United States	Granted
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US6484270B1	Fujitsu Semiconductor Limited	United States	Granted
US6480069B2	Fujitsu Semiconductor Limited	United States	Granted
US6476954B1	Fujitsu Semiconductor Limited	United States	Granted
US6466065B1	Fujitsu Semiconductor Limited	United States	Granted
US6462686B2	Fujitsu Semiconductor Limited	United States	Granted
US6462609B2	Fujitsu Semiconductor Limited	United States	Granted
US6456170B1	Fujitsu Semiconductor Limited	United States	Granted
US6456141B1	Fujitsu Semiconductor Limited	United States	Granted
US6452449B1	Fujitsu Semiconductor Limited	United States	Granted
US6373225B1	Fujitsu Semiconductor Limited	United States	Granted
US6366767B1	Fujitsu Semiconductor Limited	United States	Granted
US6353864B1	Fujitsu Semiconductor Limited	United States	Granted
US6346795B2	Fujitsu Semiconductor Limited	United States	Granted

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US6337563B2	Fujitsu Semiconductor Limited	United States	Granted
US6333675B1	Fujitsu Semiconductor Limited	United States	Granted
US6321280B1	Fujitsu Semiconductor Limited	United States	Granted
US6320359B1	Fujitsu Semiconductor Limited	United States	Granted
US6286070B1	Fujitsu Semiconductor Limited	United States	Granted
US6249169B1	Fujitsu Semiconductor Limited	United States	Granted
US6218810B1	Fujitsu Semiconductor Limited	United States	Granted
US6194871B1	Fujitsu Semiconductor Limited	United States	Granted
US6181610B1	Fujitsu Semiconductor Limited	United States	Granted
US6163170A	Fujitsu Semiconductor Limited	United States	Granted
US6147923A	Fujitsu Semiconductor Limited	United States	Granted
US6118316A	Fujitsu Semiconductor Limited	United States	Granted
US6114890A	Fujitsu Semiconductor Limited	United States	Granted
US6075477A	Fujitsu Semiconductor Limited	United States	Granted
US6060914A	Fujitsu Semiconductor Limited	United States	Granted
US6031425A	Fujitsu Semiconductor Limited	United States	Granted
US6008629A	Fujitsu Semiconductor Limited	United States	Granted

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US5999448A	Fujitsu Semiconductor Limited	United States	Granted
US5990742A	Fujitsu Semiconductor Limited	United States	Granted
US5982661A	Fujitsu Semiconductor Limited	United States	Granted
US5963474A	Fujitsu Semiconductor Limited	United States	Granted
US5917366A	Fujitsu Semiconductor Limited	United States	Granted
US5914903A	Fujitsu Semiconductor Limited	United States	Granted
US5905361A	Fujitsu Semiconductor Limited	United States	Granted
US5883527A	Fujitsu Semiconductor Limited	United States	Granted
US5870000A	Fujitsu Semiconductor Limited	United States	Granted
US5850137A	Fujitsu Semiconductor Limited	United States	Granted
US5822762A	Fujitsu Semiconductor Limited	United States	Granted
US5818303A	Fujitsu Semiconductor Limited	United States	Granted
US5808444A	Fujitsu Semiconductor Limited	United States	Granted
US5801514A	Fujitsu Semiconductor Limited	United States	Granted
US5793257A	Fujitsu Semiconductor Limited	United States	Granted
US5739667A (USRE42114E1)	Fujitsu Semiconductor Limited	United States	Granted
US5671186A	Fujitsu Semiconductor Limited	United States	Granted

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US5617347A	Fujitsu Semiconductor Limited	United States	Granted
US5617310A	Fujitsu Semiconductor Limited	United States	Granted
US5606282A	Fujitsu Semiconductor Limited	United States	Granted
US5565797A	Fujitsu Semiconductor Limited	United States	Granted
US5406232A	Fujitsu Semiconductor Limited	United States	Granted
US5304954A	Fujitsu Semiconductor Limited	United States	Granted
US5650741A	Fujitsu Semiconductor Limited	United States	Granted

Schedule of Abandoned U.S. Patents

Application No.	Publication/Patent No.	Assignee	Country	Status
	US7342454B2	Fujitsu Semiconductor Limited	United States	Abandoned
	US6847346B2	Fujitsu Semiconductor Limited	United States	Abandoned
12617608	US20100133589A1	Fujitsu Semiconductor Limited	United States	Abandoned
11340871	US20070033369A1	Fujitsu Semiconductor Limited	United States	Abandoned
11476125	US20060244499A1	Fujitsu Semiconductor Limited	United States	Abandoned
11092770	US20060033537A1	Fujitsu Semiconductor Limited	United States	Abandoned
11198225	US20050270871A1	Fujitsu Semiconductor Limited	United States	Abandoned
10850395	US20040217780A1	Fujitsu Semiconductor Limited	United States	Abandoned