

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Saravana Maruthamuthu</td> <td>06/18/2013</td> </tr> <tr> <td>Thorsten Meyer</td> <td>06/14/2013</td> </tr> <tr> <td>Pablo Herrero</td> <td>06/17/2013</td> </tr> <tr> <td>Andreas Wolter</td> <td>06/18/2013</td> </tr> <tr> <td>Georg Seidemann</td> <td>06/14/2013</td> </tr> <tr> <td>Mikael Knudsen</td> <td>06/17/2013</td> </tr> <tr> <td>Pauli Jaervinen</td> <td>06/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Saravana Maruthamuthu	06/18/2013	Thorsten Meyer	06/14/2013	Pablo Herrero	06/17/2013	Andreas Wolter	06/18/2013	Georg Seidemann	06/14/2013	Mikael Knudsen	06/17/2013	Pauli Jaervinen	06/14/2013
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<table border="1"> <tr> <td>Name:</td> <td>Intel IP Corporation</td> </tr> <tr> <td>Street Address:</td> <td>2200 Mission College Boulevard</td> </tr> <tr> <td>City:</td> <td>Santa Clara</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95054</td> </tr> </table>		Name:	Intel IP Corporation	Street Address:	2200 Mission College Boulevard	City:	Santa Clara	State/Country:	CALIFORNIA	Postal Code:	95054						
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CORRESPONDENCE DATA																	
Fax Number:	5037962900																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	503-222-9981																
Email:	adahmen@schwabe.com																
Correspondent Name:	Schwabe, Williamson & Wyatt, P.C.																
Address Line 1:	1211 SW 5th Avenue, Suite 1900																
Address Line 4:	Portland, OREGON 97204																
ATTORNEY DOCKET NUMBER:	111079-190809																

NAME OF SUBMITTER:	Allyson Dahmen
Signature:	/Allyson Dahmen/
Date:	07/01/2013
Total Attachments: 5 source=P55861PCT Assignment#page1.tif source=P55861PCT Assignment#page2.tif source=P55861PCT Assignment#page3.tif source=P55861PCT Assignment#page4.tif source=P55861PCT Assignment#page5.tif	

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Saravana Maruthamuthu; Thorsten Meyer; Pablo Herrero; Andreas Wolter; Georg Seidemann; Mikael Knudsen; Pauli Jaervinen

hereby sell, assign, and transfer to:

Intel IP Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

BULK ACOUSTIC WAVE RESONATOR TUNER CIRCUITS

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on June 26, 2013 as

International Office Application Number PCT/US13/047993 and
COUNTRY or International Office

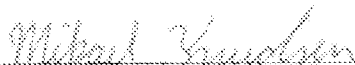
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below;

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and

maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

..... Saravana Maruthanuthu Date signed
..... Thorsten Meyer Date signed
..... Pablo Herrero Date signed
..... Andreas Wolter Date signed
..... Georg Seidemann Date signed
.....  Mikael Knudsen 17-06-2012 Date signed
..... Pauli Jaervinen Date signed

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Sarav M

Saravana Maruthamuthu

18-06-2013

Date signed

Thorsten Meyer

Date signed

Pablo Herrero

Date signed

Andreas Wolter

Date signed

Georg Seidemann

Date signed

Mikael Knudsen

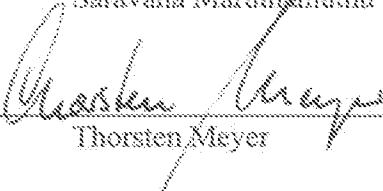
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Pauli Jaervinen

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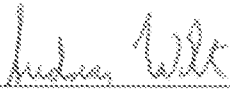
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Saravana Maruthamuthu



Thorsten Meyer

Date signed

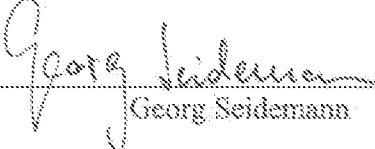

Date signed

Pablo Herrero


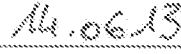
Andreas Wolter

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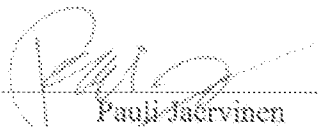
Georg Seidemann



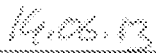
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Mikael Knudsen

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Paoli Jaervinen



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