

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Oana-Elena BARBU</td> <td>08/07/2013</td> </tr> <tr> <td>Guillaume Damien Andre MONGHAL</td> <td>08/06/2013</td> </tr> <tr> <td>Christian ROM</td> <td>08/07/2013</td> </tr> <tr> <td>Bernhard H. FLEURY</td> <td>08/21/2013</td> </tr> <tr> <td>Niels Lovmand PEDERSEN</td> <td>08/21/2013</td> </tr> <tr> <td>Carles NAVARRO MANCHON</td> <td>08/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Oana-Elena BARBU	08/07/2013	Guillaume Damien Andre MONGHAL	08/06/2013	Christian ROM	08/07/2013	Bernhard H. FLEURY	08/21/2013	Niels Lovmand PEDERSEN	08/21/2013	Carles NAVARRO MANCHON	08/21/2013
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<table border="1"> <tr> <td>Name:</td> <td>Intel Mobile Communications GmbH</td> </tr> <tr> <td>Street Address:</td> <td>Am Campeon 10-12</td> </tr> <tr> <td>City:</td> <td>Neubiberg</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>85579</td> </tr> </table>		Name:	Intel Mobile Communications GmbH	Street Address:	Am Campeon 10-12	City:	Neubiberg	State/Country:	GERMANY	Postal Code:	85579				
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CORRESPONDENCE DATA															
<p>Fax Number:</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 212-745-0848</p> <p>Email: kbonsignore@schiffhardin.com</p> <p>Correspondent Name: Schiff Hardin LLP</p> <p>Address Line 1: 666 Fifth Avenue</p> <p>Address Line 2: Suite 1700</p> <p>Address Line 4: New York, NEW YORK 10103</p>															
ATTORNEY DOCKET NUMBER:	42542-0028														

OP \$40.00 13929355

NAME OF SUBMITTER:	Laura C. Brutman
Signature:	/Laura C. Brutman/
Date:	08/28/2013
Total Attachments: 4 source=42542-0028 Assignment#page1.tif source=42542-0028 Assignment#page2.tif source=42542-0028 Assignment#page3.tif source=42542-0028 Assignment#page4.tif	

ASSIGNMENT

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

Oana-Elena BARBU; Guillaume Damien André MONGHAL; Christian ROM; Bernhard H. FLEURY; Niels Lovmand PEDERSEN; and Carlos NAVARRO MANCHÓN

hereby sell, assign, and transfer to:

Intel Mobile Communications GmbH

a corporation of Germany, having a principal place of business at Am Campeon 10-12, Neubiberg, 85579, Germany ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the International application entitled:

A CHANNEL ESTIMATION TECHNIQUE

(I hereby authorize and request my attorney, associated with Customer Number 15528, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on June 27, 2013 as

U.S. Application Number 13/929,355 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 International application and all related applications (e.g. national phase applications, divisional applications, continuation applications, reexaminations, reissues, and the like) that have been or shall be filed in the United States and/or all foreign countries on said inventions and improvements, as well as in and to all rights of priority resulting from the filing of said International application;

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

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NY51448634.1

Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, 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.


Dana-Elena BARBU

07.08.2013
(Today's Date)

Guillaume Damien André MONGHAL

(Today's Date)


Christian ROM

07.08.2013
(Today's Date)

Bernhard H. FLEURY

(Today's Date)

Niels Lovmand PEDERSEN

(Today's Date)

Carles NAVARRO MANCHÓN

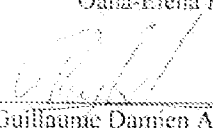
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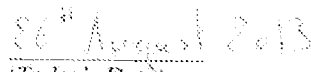
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Oana-Elena BARBU

(Today's Date)



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Oana-Elena BARBU

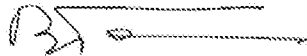
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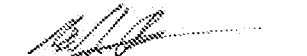
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Bernhard H. FLEURY

21/08/2013

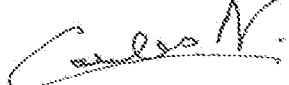
(Today's Date)



Niels Lovmand PEDERSEN

21/8/2013

(Today's Date)



Carlos NAVARRO MANCHÓN

21/08/2013

(Today's Date)