

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>Massimo Ciacci</td> <td>02/06/2012</td> </tr> <tr> <td>Remco Cornelis Herman Van De Beek</td> <td>02/02/2012</td> </tr> <tr> <td>Ghiath Al-kadi</td> <td>02/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Massimo Ciacci	02/06/2012	Remco Cornelis Herman Van De Beek	02/02/2012	Ghiath Al-kadi	02/06/2012
Name	Execution Date								
Massimo Ciacci	02/06/2012								
Remco Cornelis Herman Van De Beek	02/02/2012								
Ghiath Al-kadi	02/06/2012								
RECEIVING PARTY DATA									
Name:	NXP B.V.								
Street Address:	HIGH TECH CAMPUS 60								
City:	EINDHOVEN								
State/Country:	NETHERLANDS								
Postal Code:	5656 AG								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13417486</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13417486				
Property Type	Number								
Application Number:	13417486								
CORRESPONDENCE DATA									
Fax Number:	(408)518-5671								
Phone:	408-518-5500								
Email:	ip.department.us@nxp.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Intellectual Property and Licensing NXP								
Address Line 1:	411 East Plumeria Drive, MS41								
Address Line 4:	SAN JOSE, CALIFORNIA 95134								
ATTORNEY DOCKET NUMBER:	81415643 US03								
NAME OF SUBMITTER:	Lynn Miller								
Total Attachments: 1 source=81415643US03_ASSIGN#page1.tif									

CH \$40.00 13417486

PATENT

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I/we, as below-named Assignor/s, hereby sell, assign, and transfer the entire and exclusive right, title, and interest in the following to NXP B.V., having a place of business at High Tech Campus 60, NL-5656 AG, Eindhoven, NL, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

(1) my/our invention relating to "Symbol clock recovery circuit" for which the following patent application(s) has/have been filed (I/we hereby authorize and request my/our attorneys associated with U.S. Patent & Trademark Office Customer Number 65913 to insert below the filing date and application number of the U.S. application when known):

<u>Country</u>	<u>Application No.</u>	<u>Filing Date (mm/dd/yyyy)</u>	<u>Claims Priority of</u>
US	13/417,486	03/12/2012	11163565.2
EP	11163565.2	04/21/2011	

(2) the foregoing application(s) and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority there from including, but not limited to, any and all provisionals, non-provisionals, divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and

(3) the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

I/we authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to NXP B.V., for its sole use, and that of its successors, assigns, and legal representatives.

I/we will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecutorial actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

I/we certify that I/we have the full right to convey the above rights.

Feb 6th 2012
Date Massimo Ciacci
Ciacci, Massimo Assignor

Feb 2nd 2012
Date Remco Cornelis Herman Van De Beek
Van De Beek, Remco Cornelis Herman Assignor

Feb 6th 2012
Date Ghiath Al-kadi
Al-kadi, Ghiath Assignor