

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>Mathieu Egot</td> <td>12/11/2011</td> </tr> <tr> <td>Jonathan Muller</td> <td>11/17/2011</td> </tr> <tr> <td>Andreia Cathelin</td> <td>12/03/2011</td> </tr> <tr> <td>Didier Belot</td> <td>12/21/2011</td> </tr> </tbody> </table>	Name	Execution Date	Mathieu Egot	12/11/2011	Jonathan Muller	11/17/2011	Andreia Cathelin	12/03/2011	Didier Belot	12/21/2011	
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Mathieu Egot	12/11/2011										
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RECEIVING PARTY DATA											
Name:	STMicroelectronics SA										
Street Address:	29, Boulevard Romain Rolland										
City:	Montrouge										
State/Country:	FRANCE										
Postal Code:	92120										
PROPERTY NUMBERS Total: 1											
Property Type	Number										
Application Number:	13328412										
CORRESPONDENCE DATA											
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<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:	SLATER & MATSIL, L.L.P.										
Address Line 1:	17950 PRESTON RD, SUITE 1000										
Address Line 4:	DALLAS, TEXAS 75252-5793										
ATTORNEY DOCKET NUMBER:	ST-10-GR1-353										
NAME OF SUBMITTER:	Wendy Saxby										
Total Attachments: 2 source=ST_10_GR1_353_Signed_Assignment#page1.tif source=ST_10_GR1_353_Signed_Assignment#page2.tif											

CH \$40.00 13328412

ASSIGNMENT

WHEREAS, we the undersigned inventors, of residences as listed below, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, and

WHEREAS, STMicroelectronics SA, having a principal place of business in Montrouge, ("Assignee") desires to acquire our entire right, title and interest in and to the invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we assign to Assignee all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and in and to any applications filed in any foreign country or group of countries based thereon, including the right to file said foreign applications and to claim priority under the provisions of the International convention and any other relevant convention or treaty; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee.

We also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents and legal equivalents, including utility models, industrial models and designs for said inventions in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

We will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, we will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations and generally take all reasonable steps to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I have to set hand and seal this day and year:				
TITLE OF INVENTION	Phase-Shifting Device for Antenna Array			
SIGNATURE OF INVENTOR AND NAME	(1) Mathieu Egot	(2) Jonathan Muller	(3) Andreia Cathelin	(4) Didier Belot
DATE		17/11/2011	Dec 9, 2011	Dec 21, 2011
RESIDENCE (CITY AND STATE)	Grenoble, France	Neuchatel, Switzerland	Laval, France	Rives, France

ASSIGNMENT


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TITLE OF INVENTION	Phase-Shifting Device for Antenna Array			
SIGNATURE OF INVENTOR AND NAME	(1) Mathieu Egot 	(2) Jonathan Muller	(3) Andreia Cathelin	(4) Didier Belot
DATE	11/12/2011			
RESIDENCE (CITY AND STATE)	Grenoble, France	Grenoble, France	Laval, France	Rives, France