

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>LUDOVIC RAYMOND ANDRE GOUX</td><td>06/11/2008</td></tr><tr><td>DIRK JOHAN CECIL CHRISTIAAN MARIE WOUTERS</td><td>06/11/2008</td></tr><tr><td>JUDIT GLORIA LISONI REYES</td><td>06/11/2008</td></tr><tr><td>THOMAS GILLE</td><td>06/11/2008</td></tr></tbody></table>	Name	Execution Date	LUDOVIC RAYMOND ANDRE GOUX	06/11/2008	DIRK JOHAN CECIL CHRISTIAAN MARIE WOUTERS	06/11/2008	JUDIT GLORIA LISONI REYES	06/11/2008	THOMAS GILLE	06/11/2008	
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JUDIT GLORIA LISONI REYES	06/11/2008										
THOMAS GILLE	06/11/2008										
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>12158113</td></tr></tbody></table>	Property Type	Number	Application Number:	12158113							
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CORRESPONDENCE DATA											
Fax Number:	(408)474-9082										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Email:	ip.department.us@nxp.com										
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NAME OF SUBMITTER:	ANTHONY CORREA										
Total Attachments: 1											

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PATENT
REEL: 021119 FRAME: 0801

JOINT ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, as a below-named Assignor, 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) our invention relating to "A VERTICAL PHASE CHANGE MEMORY CELL AND METHODS FOR MANUFACTURING THEREOF" for which a US provisional patent application was filed in the United States Patent and Trademark Office on 12/20/2005, having a Serial Number 60/752,739.
- (2) the foregoing application 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 provisional's, non-provisional's, 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.

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.

We will provide 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, 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.

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

11/06/2008
Date

[Signature], Assignor
Ludovic Raymond Andre GOUX

11/06/2008
Date

[Signature], Assignor
Dirk Johan Cecil Christiaan Marie WOUTERS

11/06/2008
Date

[Signature], Assignor
Judit Gloria LISONI REYES

11/06/2008
Date

[Signature], Assignor
Thomas GILLE