

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>WEI MIAO</td> <td>02/26/2008</td> </tr> <tr> <td>MIN HUANG</td> <td>02/26/2008</td> </tr> <tr> <td>SHINDONG ZHOU</td> <td>02/26/2008</td> </tr> <tr> <td>GANG WU</td> <td>02/26/2008</td> </tr> </tbody> </table>		Name	Execution Date	WEI MIAO	02/26/2008	MIN HUANG	02/26/2008	SHINDONG ZHOU	02/26/2008	GANG WU	02/26/2008
Name	Execution Date										
WEI MIAO	02/26/2008										
MIN HUANG	02/26/2008										
SHINDONG ZHOU	02/26/2008										
GANG WU	02/26/2008										
RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>NXP B.V.</td> </tr> <tr> <td>Street Address:</td> <td>HIGH TECH CAMPUS 60</td> </tr> <tr> <td>City:</td> <td>EINDHOVEN</td> </tr> <tr> <td>State/Country:</td> <td>NETHERLANDS</td> </tr> <tr> <td>Postal Code:</td> <td>5656 AG</td> </tr> </table>		Name:	NXP B.V.	Street Address:	HIGH TECH CAMPUS 60	City:	EINDHOVEN	State/Country:	NETHERLANDS	Postal Code:	5656 AG
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" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12919374</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12919374						
Property Type	Number										
Application Number:	12919374										
CORRESPONDENCE DATA											
<p>Fax Number: (408)474-9082</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 408-434-3000</p> <p>Email: ip.department.us@nxp.com</p> <p>Correspondent Name: NXP, B.V. NXP INTELLECTUAL PROPERTY & LI</p> <p>Address Line 1: M/S41-SJ</p> <p>Address Line 2: 1109 MCKAY DRIVE</p> <p>Address Line 4: SAN JOSE, CALIFORNIA 95131</p>											
ATTORNEY DOCKET NUMBER:	81356041 US03										
NAME OF SUBMITTER:	Lynn Miller										
Total Attachments: 1											

CH \$40.00 12919374

501272238

PATENT
REEL: 024886 FRAME: 0479

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, 5656 AG, Eindhoven, NL**, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

(1) our invention relates to "**LIMITED CHANNEL INFORMATION FEEDBACK ERROR-FREE CHANNEL VECTOR QUANTIZATION SCHEME FOR PRECODED MU-MIMO**"

(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.

<u>2008.1.26</u>	<u>Wei Miao</u>	, Assignor
Date	WEI MIAO	
<u>2008.02.26</u>	<u>Min Huang</u>	, Assignor
Date	MIN HUANG	
<u>2008.1.26</u>	<u>Shindong Zhou</u>	, Assignor
Date	SHINDONG ZHOU	
<u>2008.02.26</u>	<u>Gang Wu</u>	, Assignor
Date	GANG WU	

PATENT