

PATENT ASSIGNMENT COVER SHEET

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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>JINGYI LIAO</td> <td>03/01/2011</td> </tr> <tr> <td>MUHAMMAD KAZMI</td> <td>03/02/2011</td> </tr> </tbody> </table>		Name	Execution Date	JINGYI LIAO	03/01/2011	MUHAMMAD KAZMI	03/02/2011				
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<table border="1"> <tr> <td>Name:</td> <td>TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)</td> </tr> <tr> <td>Street Address:</td> <td>TORSHAMNSGATAN 23</td> </tr> <tr> <td>City:</td> <td>STOCKHOLM</td> </tr> <tr> <td>State/Country:</td> <td>SWEDEN</td> </tr> <tr> <td>Postal Code:</td> <td>SE-164 83</td> </tr> </table>		Name:	TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)	Street Address:	TORSHAMNSGATAN 23	City:	STOCKHOLM	State/Country:	SWEDEN	Postal Code:	SE-164 83
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CORRESPONDENCE DATA											
<p>Fax Number: (703)816-4100</p> <p>Phone: 703-816-4127</p> <p>Email: lsh@nixonvan.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: H. WARREN BURNAM, JR./LINDA HULL</p> <p>Address Line 1: 901 N. GLEBE ROAD</p> <p>Address Line 4: ARLINGTON, VIRGINIA 22203</p>											
ATTORNEY DOCKET NUMBER:	2380-1625										
NAME OF SUBMITTER:	H. WARREN BURNAM, JR.										
Signature:	/H. Warren Burnam, Jr./										
Date:	12/18/2013										

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Total Attachments: 4

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ASSIGNMENT

WHEREAS, Jingyi LIAO and Muhammad KAZMI, (hereinafter ASSIGNORS) of # 4-0205, Jiada Jiayuan, No 1, University Road, Haidann District, Beijing, China 100044; and Svarviksslingan 110, 3 tr, Bromma, Sweden S-167 39, respectively, have invented a certain improvement in METHODS AND DEVICES FOR SPATIAL CODING for which a so-entitled application for Letters Patent of the United States is being concurrently executed herewith; was filed in the United States Patent and Trademark Office on February 22, 2011 under Serial No. 13/060,201;

WHEREAS, TELEFONAKTIEBOLAGET L MERICSSON (PUBL) (hereinafter ASSIGNEE), a corporation of the Country of Sweden, having an office and place of business at S-164 83, Stockholm, Sweden S-164 83 is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNORS by these presents hereby sell, assign, and transfer unto the ASSIGNEE, its successors, assigns, and legal representatives, the aforesaid application(s) and the full and exclusive right to the invention and improvements therein in the United States and all foreign countries, as described in the aforesaid application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other

international agreements to which the United States of America adheres, and hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any Letters Patent or Patents claiming priority from the aforesaid application to ASSIGNEE, for its interest as ASSIGNEE, for the sole use and behoof of ASSIGNEE, its successors, assigns, and legal representatives.

ASSIGNORS hereby agree to assist in the preparation of and hereby assign a like interest to said ASSIGNEE, its successors, assigns, and legal representatives, without further remuneration, any continuation, divisional, reissue, or foreign application claiming priority from the aforesaid application or otherwise growing out of or related to the invention; and to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives necessary to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNORS specifically agree, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention; and

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

AGREED and executed as noted below:

March 1, 2011 Liara Jingyi
Date Jingyi LIAO

Witnessed by:

Name:

Date:

Date _____ Muhammad KAZMI

Witnessed by:

Name:

Date:

AGREED and executed as noted below:

Date Jingyi LIAO

Witnessed by:

Name: _____ Date: _____

2nd MARCH 2011 Muhamad
Date Muhammad KAZMI

Witnessed by: Hu Rong

Name: Hu Rong Date: 2nd March 2011