

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Xue Fang</td> <td>02/14/2013</td> </tr> <tr> <td>Wei-Ying Kung</td> <td>02/19/2013</td> </tr> <tr> <td>Limin Wang</td> <td>02/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Xue Fang	02/14/2013	Wei-Ying Kung	02/19/2013	Limin Wang	02/15/2013
Name	Execution Date								
Xue Fang	02/14/2013								
Wei-Ying Kung	02/19/2013								
Limin Wang	02/15/2013								
RECEIVING PARTY DATA									
Name:	General Instrument Corporation								
Street Address:	101 Tournament Drive								
City:	Horsham								
State/Country:	PENNSYLVANIA								
Postal Code:	19044								
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>13722625</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13722625				
Property Type	Number								
Application Number:	13722625								
CORRESPONDENCE DATA									
Fax Number:	8475232350								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	847-5230176								
Email:	docketing.mobilty@motorola.com								
Correspondent Name:	Motorola Mobility LLC								
Address Line 1:	600 North US Highway 45								
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ATTORNEY DOCKET NUMBER:	CS39598								
NAME OF SUBMITTER:	Nanette B. Orr								
Signature:	/Nanette B. Orr/								
Date:	05/02/2013								

CH \$40.00 13722625

PATENT

**Total Attachments: 5**

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## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **XUE FANG, SAN DIEGO, CALIFORNIA; WEI-YING KUNG, SAN DIEGO, CALIFORNIA AND LIMIN WANG, SAN DIEGO, CALIFORNIA**, have sold, assigned and transferred, and do hereby sell, assign and transfer, unto **GENERAL INSTRUMENT CORPORATION**, a corporation of the State of Delaware, having its principal office in Horsham, State of Pennsylvania, United States of America, and its successors, assigns, and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions entitled "**A One Dimension Scan Flag for Rectangular Transform**" as described, illustrated in Disclosure ID (63779) **CS39598** and as described, illustrated and claimed in the following applications:

- 1.) U.S. Application No. **13/722625**, filed on **December 20, 2012** entitled "**METHOD AND APPARATUS FOR LAST COEFFICIENT INDEXING FOR HIGH EFFICIENCY VIDEO CODING**"; and
2. U.S. Application No. **61/566594**, filed on **December 2, 2011** entitled "**One Dimension Scan Flag for Rectangular Transform.**"

I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to other applications for Letters Patent on the inventions referenced in this Assignment and Agreement, and all rights, title and interest in and to all applications for Letters Patent in respect of the invention filed under any and all international conventions and treaties together with the entire right, title and interest in and to Letters Patent which may be issued upon the application(s) or any application(s) otherwise claiming priority thereto, and upon any divisions, extensions, continuations, reissues and/or re-examinations of such application(s).

I further authorize Assignee to apply for Letters Patent directly in its own name where applicable, and to claim priority of the filing date of the application for Letters Patent filed under the laws of the applicable country and under the provisions of any and all international conventions and treaties.

I hereby authorize Assignee to request the Commissioner of Patents of the United States of America to issue any Letters Patents upon the aforesaid application, divisions, extensions, continuations, reissues or re-examinations, to Assignee, for the

sole use and benefit of Assignee, to the full end of the term for which Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and I hereby authorize Assignee to request the equivalent authorities in foreign countries to issue the patents of their respective countries to Assignee.

I agree that, when requested, I will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing, maintaining and enforcing patents for the inventions in any and all countries and for vesting title thereto in Assignee.

I covenant with Assignee that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

[Signature]  
XUE FANG

DATE: 2/14/13

State of California )

County of San Diego )ss

On Feb 14, 2013, before me, Sandra Jenkins, Notary Public  
Date Name of Notary Public

personally appeared Xue Fang  
Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) who name(s) is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal.

Place Notary Seal Above

Signature Sandra Jenkins

Signature of Notary Public

Wei-Ying Kung  
WEI-YING KUNG

DATE: 2/19/2013

State of California )

County of San Diego )ss

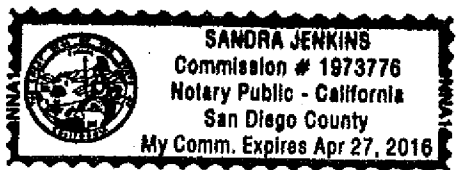
On Feb 19, 2013, before me, Sandra Jenkins, Notary Public  
Date Name of Notary Public

personally appeared Wei-Ying Kung  
Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) who name(s) is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Place Notary Seal Above

Signature Sandra Jenkins  
Signature of Notary Public

Limin Wang  
LIMIN WANG

DATE: 02/15/2013

State of California )

County of San Diego )ss

On Feb 15, 2013, before me, Sandra Jenkins, Notary Public  
Date Name of Notary Public

personally appeared Limin Wang  
Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) who name(s) is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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