

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2736981

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>LI ZHUANG</td> <td>02/12/2014</td> </tr> <tr> <td>ROSS W RIPLEY</td> <td>02/07/2014</td> </tr> <tr> <td>SEN YANG</td> <td>02/11/2014</td> </tr> </tbody> </table>		Name	Execution Date	LI ZHUANG	02/12/2014	ROSS W RIPLEY	02/07/2014	SEN YANG	02/11/2014
Name	Execution Date								
LI ZHUANG	02/12/2014								
ROSS W RIPLEY	02/07/2014								
SEN YANG	02/11/2014								
RECEIVING PARTY DATA									
Name:	MOTOROLA MOBILITY LLC								
Street Address:	600 NORTH US HIGHWAY 45								
City:	LIBERTYVILLE								
State/Country:	ILLINOIS								
Postal Code:	60048								
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>14186391</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14186391				
Property Type	Number								
Application Number:	14186391								
CORRESPONDENCE DATA									
Fax Number:	(847)523-2350								
Phone:	224-240-2794								
Email:	docketing.mobility@motorola.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	MOTOROLA MOBILITY LLC								
Address Line 1:	600 NORTH US HIGHWAY 45								
Address Line 4:	LIBERTYVILLE, ILLINOIS 60048								
ATTORNEY DOCKET NUMBER:	CS42179								
NAME OF SUBMITTER:	DENICE KRUEGER								
Signature:	/Denice Krueger/								
Date:	02/21/2014								

PATENT

Total Attachments: 5

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## ASSIGNMENT AND AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **LI ZHUANG, LONG GROVE, ILLINOIS, ROSS W. RIPLEY, GURNEE, ILLINOIS, and SEN YANG, PALATINE, ILLINOIS** have sold, assigned and transferred, and do hereby sell, assign and transfer, unto MOTOROLA MOBILITY LLC, a Limited Liability Company of the State of Delaware, having its principal office in Libertyville, State of Illinois, 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 **"RGBM Hybrid OAD (Always-On) Display for Good Indoor and Outdoor Performance"** as described, illustrated in Disclosure ID **(66373) CS42179** and as described, illustrated and claimed in the following applications:

U.S. Application filed herein and entitled: **"Display System with Independently Controlled Transmissive and Reflective Subpixels and Method of Use"**

I hereby also sell, assign and transfer unto Assignee, the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and I further authorize Assignee to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

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.

*[Handwritten signature]*

DATE: 2/12/2014

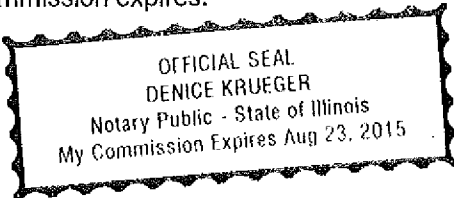
**LI ZHUANG**

STATE OF ILLINOIS )  
                                  )ss  
COUNTY OF *lake* )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **LI ZHUANG** whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 12<sup>th</sup> day of February, 2014.

My commission expires:



*[Handwritten signature]*  
\_\_\_\_\_  
Notary Public Signature  
*Denice Krueger*  
\_\_\_\_\_  
Printed Name of Notary Public

*Ross W. Ripley*  
**ROSS W. RIPLEY**

DATE: 2/7/14

STATE OF ILLINOIS        )  
  )ss  
COUNTY OF Lake        )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **ROSS W. RIPLEY** whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 7<sup>th</sup> day of February, 2014.

My commission expires:

*Denice Krueger*  
Notary Public Signature  
Denice Krueger  
Printed Name of Notary Public



*Sen Yang*

*2/11/2014*

**SEN YANG**

DATE: \_\_\_\_\_

STATE OF ILLINOIS     )  
  )ss  
COUNTY OF *Lake*     )

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that **SEN YANG** whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this *11th* day of *February*, 2014.

My commission expires:



*Denice Krueger*  
\_\_\_\_\_  
Notary Public Signature  
*Denice Krueger*  
\_\_\_\_\_  
Printed Name of Notary Public