

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2680373

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>RAMESH RASKAR</td> <td>01/03/2014</td> </tr> <tr> <td>PRANAV MISHRA</td> <td>12/18/2013</td> </tr> <tr> <td>RAJESWARI KANNAN</td> <td>12/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	RAMESH RASKAR	01/03/2014	PRANAV MISHRA	12/18/2013	RAJESWARI KANNAN	12/18/2013		
Name	Execution Date										
RAMESH RASKAR	01/03/2014										
PRANAV MISHRA	12/18/2013										
RAJESWARI KANNAN	12/18/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Nokia Corporation</td> </tr> <tr> <td>Street Address:</td> <td>Keilalahdentie 4</td> </tr> <tr> <td>City:</td> <td>Espoo</td> </tr> <tr> <td>State/Country:</td> <td>FINLAND</td> </tr> <tr> <td>Postal Code:</td> <td>02150</td> </tr> </table>		Name:	Nokia Corporation	Street Address:	Keilalahdentie 4	City:	Espoo	State/Country:	FINLAND	Postal Code:	02150
Name:	Nokia Corporation										
Street Address:	Keilalahdentie 4										
City:	Espoo										
State/Country:	FINLAND										
Postal Code:	02150										
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>14149479</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14149479						
Property Type	Number										
Application Number:	14149479										
CORRESPONDENCE DATA											
Fax Number:	(952)854-2722										
Phone:	952-854-2700										
Email:	tdotter@hdpatlaw.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	HOLLINGSWORTH DAVIS, LLC										
Address Line 1:	8500 NORMANDALE LAKE BLVD.										
Address Line 2:	SUITE 320										
Address Line 4:	MINNEAPOLIS, MINNESOTA 55437										
ATTORNEY DOCKET NUMBER:	IHN.117.A1										
NAME OF SUBMITTER:	WILLIAM B. ASHLEY										
Signature:	/William B. Ashley/										

Date:	01/14/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 3 source=DEC-IHN117A1#page1.tif source=DEC-IHN117A1#page2.tif source=DEC-IHN117A1#page3.tif	

COMBINED ASSIGNMENT AND DECLARATION

WHEREAS, Ramesh Raskar of 2 James Way, Cambridge, MA 02141; Pranav Mishra of RK 905, Purva Riviera, Whitefield Road, Marathanhalli, Bangalore, Karnataka 560037, India; and Rajeswari Kannan of G-301, Jagrithi Renaissance, Varthur Road, Ramagondanahalli, Next to Signma Tech Park, Whitefield, Bangalore, Karnataka 560066, India, are the inventors of an invention entitled "Transmitting Data to a Rolling Shutter Sensor Array Via a Light Emitter Array" that is the subject matter of: (check all that apply)

- ☐ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____;
- ☒ an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____ and/or executed on even date herewith: and
- ☐ an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. _____ filed on _____ and/or executed on even date herewith:

WHEREAS, Nokia Corporation, a corporation organized and existing under the laws Finland, and having offices at Keilalahdentie 4, Espoo, Finland FIN-02150, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and I authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

3 - 1 - 2014
(day) (month) (year)



Ramesh Raskar

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

____ - ____ - ____
(day) (month) (year)

Pranav Mishra

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

____ - ____ - ____
(day) (month) (year)

Rajeswari Kannan

IHN.117.A1
NC84168US


IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

(day) (month) (year)

Ramesh Raskar

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

(day) (month) (year)

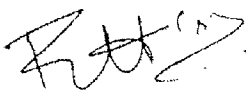


Pranav Mishra

18/12/2013

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

(day) (month) (year)



Rajeswari Kannan

18/12/2013