

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5450876

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GYANVEER SINGH	11/20/2018
SUSANTO SEN	11/20/2018
SHAKIR SHARFRAZ ASHFAQ AHAMED	11/20/2018
SRIRAM PONNUSWAMY	01/02/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ROVI GUIDES, INC.
<b>Street Address:</b>	2160 GOLD STREET
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95002
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16143728
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	maria.marley@hglaw.com
<b>Correspondent Name:</b>	HALEY GUILIANO LLP
<b>Address Line 1:</b>	75 BROAD STREET, SUITE 1000
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10004
<b>ATTORNEY DOCKET NUMBER:</b>	003597-1938-101
<b>NAME OF SUBMITTER:</b>	MARIA MARLEY
<b>SIGNATURE:</b>	/MARIA MARLEY/
<b>DATE SIGNED:</b>	04/01/2019
<b>Total Attachments: 6</b>	
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A S S I G N M E N T

Whereas we,

- (1) Gyanveer Singh;
- (2) Susanto Sen;
- (3) Shakir Sharfraz Ashfaq Ahamed; and
- (4) Sriram Ponnuswamy;

residing, respectively at:

- (1) Village: Kurwa, PO: Jahangirpur Sham  
Vaishali, Bihar 844504, India;
- (2) 900, 6th Cross Gokul 1st Stage 1st Phase  
P.O. Mathikere Bangalore, Karnataka 560054  
India;
- (3) B-114, Trifecta Joli apartments, Hadosiddapura,  
near Kodathi village, off Sarjapur Road,  
Bangalore, Karnataka 560037 India; and
- (4) No. 9, Ragavendra Salai Chitlapakkam  
Chennai, Tamil Nadu 600064 India;

have made an invention in:

**SYSTEMS AND METHODS FOR MEDIA PROJECTION SURFACE SELECTION**

filed **September 27, 2018** and assigned U.S. Patent Application  
Serial No. **16/143,728**; and

WHEREAS, ROVI GUIDES, INC., a corporation organized and  
existing under the laws of the State of Delaware and having an  
office and place of business at 2160 Gold Street, San Jose, CA  
95002, is desirous of acquiring the entire interest in said  
invention, said United States patent application and in any Letters  
Patent which may issue thereon;

NOW, THEREFORE, be it known that for and in consideration  
of the sum of One Dollar (\$1.00) to each of us paid, and other good

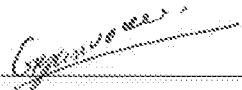
and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, each of us hereby sells, assigns and transfers unto the said ROVI GUIDES, INC., its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said United States patent application, including any continuations, continuations in part, and divisions thereof, and any substitute applications therefor, and any patents which may issue thereon, and any reissues of the same, and including the right to claim priority under the International Convention based on said patent application; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations, continuations in part, and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same; and each of us hereby authorizes and requests competent authorities to grant and issue any and all patents on said invention to the said ROVI GUIDES, INC. as the assignee of the entire interest therein; and each of us further agrees to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

As the inventor, we each declare as follows:

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 the declaration set forth in this paragraph is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

IN TESTIMONY WHEREOF, we have hereunto signed our names on the date indicated hereinafter.

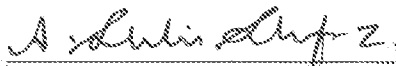
20- Nov - 2018  
Date

  
Gyanveer Singh

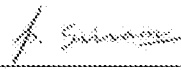
20- November - 2018  
Date

  
Susanto Sen

20- November - 2018  
Date

  
Shakir Sharfraz Ashfaq Ahamed

20- Nov - 2018  
Date

  
Sriram Ponnusamy

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NOW, THEREFORE, be it known that for and in consideration  
of the sum of One Dollar (\$1.00) to each of us paid, and other good

and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, each of us hereby sells, assigns and transfers unto the said ROVI GUIDES, INC., its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said United States patent application, including any continuations, continuations in part, and divisions thereof, and any substitute applications therefor, and any patents which may issue thereon, and any reissues of the same, and including the right to claim priority under the International Convention based on said patent application; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations, continuations in part, and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same; and each of us hereby authorizes and requests competent authorities to grant and issue any and all patents on said invention to the said ROVI GUIDES, INC. as the assignee of the entire interest therein; and each of us further agrees to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

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\_\_\_\_\_  
Date

\_\_\_\_\_  
Gyanveer Singh

\_\_\_\_\_  
Date

\_\_\_\_\_  
Susanto Sen

\_\_\_\_\_  
Date

\_\_\_\_\_  
Shakir Sharfraz Ashfaq Ahamed

April 01, 2019  
Date

*Sriram*  
Sriram Ponnuswamy