503926805 07/22/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

EPAS ID: PAT3973458

CONVEYING PARTY DATA

NATURE OF CONVEYANCE:

Name	Execution Date		
MANIK MALHOTRA	04/05/2016		
AHMED NIZAM MOHAIDEEN P	04/06/2016		
SASHIKUMAR VENKATARAMAN	04/07/2016		

ASSIGNMENT

RECEIVING PARTY DATA

Name:	ROVI GUIDES, INC.
Street Address:	TWO CIRCLE STAR WAY
City:	SAN CARLOS
State/Country:	CALIFORNIA
Postal Code:	94070

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	15095833				

CORRESPONDENCE DATA

Fax Number: (617)235-9492

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.

Phone: 212-596-9000

Email: linda.blake@ropesgray.com

ROPES & GRAY LLP Correspondent Name:

Address Line 1: 1211 AVENUE OF THE AMERICAS Address Line 4: **NEW YORK, NEW YORK 10036-8704**

ATTORNEY DOCKET NUMBER:	003597-1475-101
NAME OF SUBMITTER:	LINDA BLAKE
SIGNATURE:	/Linda Blake/
DATE SIGNED:	07/22/2016

Total Attachments: 6

source=003597-1475-101_Assignment#page1.tif

source=003597-1475-101_Assignment#page2.tif

source=003597-1475-101_Assignment#page3.tif

source=003597-1475-101 Assignment#page4.tif

PATENT REEL: 039218 FRAME: 0371

503926805

source=003597-1475-101_Assignment#page5.tif source=003597-1475-101_Assignment#page6.tif

ASSIGNMENT

Whereas we,

- 1) Manik Malhotra;
- 2) Ahmed Nizam Mohaideen P; and
- 3) Sashikumar Venkataraman

residing, respectively, at:

- 1) 313 Skylark Enclave
 5th Main Jagdish Nagar
 Near BEML Hospital
 New Thippasandra Post
 Bengaluru KA, India 560071;
- 2) S/O Pathurudeen S, 115A, South Car Street Kalugumalia, Tutucorin District, Tamilnadu Kovilpatti, India 628552; and
- 3) 15 Greybirch Road Andover, MA 01810

have made an invention in:

SYSTEMS AND METHODS FOR IDENTIFYING A MEANING OF AN AMBIGUOUS TERM IN A NATURAL LANGUAGE QUERY

and are about to make application for United States Letters
Patent therefor, the same having been executed by each of us on
even date or dates herewith; 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 Two Circle Star Way, San Carlos, CA 94070, 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 inventors, we declare as follows:

The above-identified application was made or authorized to be made by us. We believe that we are the original inventors or original joint inventors of a claimed invention in the application. We 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 dates indicated hereinafter.

Date: 5th ARRIL 2016	Manik Malhotra				
Date: 6 -1/18 - 2016	Ahmed Nizam Mohaideen P				
Date:	Sashikumar Venkataraman				

ASSIGNMENT

Whereas we,

- 1) Manik Malhotra;
- 2) Ahmed Nizam Mohaideen P; and
- 3) Sashikumar Venkataraman

residing, respectively, at:

- 1) 313 Skylark Enclave 5th Main Jagdish Nagar Near BEML Hospital New Thippasandra Post Bengaluru KA, India 560071;
- 2) S/O Pathurudeen S, 115A, South Car Street Kalugumalia, Tutucorin District, Tamilnadu Kovilpatti, India 628552; and
- 3) 15 Greybirch Road Andover, MA 01810

have made an invention in:

SYSTEMS AND METHODS FOR IDENTIFYING A MEANING OF AN AMBIGUOUS TERM IN A NATURAL LANGUAGE QUERY

and are about to make application for United States Letters
Patent therefor, the same having been executed by each of us on
even date or dates herewith; 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 Two Circle Star Way, San Carlos, CA 94070, 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 inventors, we declare as follows:

The above-identified application was made or authorized to be made by us. We believe that we are the original inventors or original joint inventors of a claimed invention in the application. We 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.

		ΙN	TESTI	10NY	WHERE() F',	we	have	hereunto	signed	our
names	on	the	dates	ind	icated	hei	reir	naftei	r.		
Date:						Má	anil	k Malh	notra		
Date:			Ał	Ahmed Nizam Mohaideen P							
,	Ω <i>Λ Ι</i> Ω:	7/201	6					\mathcal{C}	V(1)		
,	U4/U	//201	O					(Y Sahika	an .	
Date:					Sa	Sashikumar Venkataraman					