

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3982730

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the EXECUTION DATE TO READ JULY 22, 2016 previously recorded on Reel 039261 Frame 0298. Assignor(s) hereby confirms the EXECUTION DATE OF THE SECURITY INTEREST.	
CONVEYING PARTY DATA		
Name		Execution Date
MARKING OBJECT VIRTUALIZATION INTELLIGENCE, LLC		07/22/2016
RECEIVING PARTY DATA		
Name:	ROVI SOLUTIONS CORPORATION	
Street Address:	2 CIRCLE STAR WAY	
City:	SAN CARLOS	
State/Country:	CALIFORNIA	
Postal Code:	94070	
PROPERTY NUMBERS Total: 20		
Property Type	Number	
Patent Number:	7299209	
Patent Number:	6510516	
Patent Number:	6802006	
Patent Number:	7650504	
Patent Number:	6813640	
Patent Number:	7650418	
Patent Number:	7200230	
Patent Number:	7124114	
Patent Number:	6381367	
Patent Number:	6374036	
Patent Number:	6360000	
Patent Number:	6553127	
Patent Number:	6701062	
Patent Number:	6594441	
Patent Number:	7764790	
Patent Number:	8014524	
PCT Number:	US0233072	
PCT Number:	US9900968	
PCT Number:	US0131325	

PATENT

Property Type	Number
Patent Number:	6931536

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
Correspondent Name: ROPES & GRAY LLP
Address Line 1: 1211 AVENUE OF THE AMERICAS
Address Line 4: NEW YORK, NEW YORK 10036-8704

ATTORNEY DOCKET NUMBER:	003596-0425
NAME OF SUBMITTER:	LINDA BLAKE
SIGNATURE:	/Linda Blake/
DATE SIGNED:	07/28/2016

Total Attachments: 6
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		SECURITY INTEREST	
CONVEYING PARTY DATA			
Name		Execution Date	
MARKING OBJECT VIRTUALIZATION INTELLIGENCE, LLC		06/27/2016	
RECEIVING PARTY DATA			
Name:	ROVI SOLUTIONS CORPORATION		
Street Address:	2 CIRCLE STAR WAY		
City:	SAN CARLOS		
State/Country:	CALIFORNIA		
Postal Code:	94070		
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Property Type	Number		
Patent Number:	7299209		
Patent Number:	6510516		
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Patent Number:	6553127		
Patent Number:	6701062		
Patent Number:	6594441		
Patent Number:	7764790		
Patent Number:	8014524		

PATENT

REF: 039503 FRAME: 0400

GRANT OF SECURITY INTEREST IN PATENTS

THIS GRANT OF SECURITY INTEREST IN PATENTS, dated as of July 22, 2016, is executed by MARKING OBJECT VIRTUALIZATION INTELLIGENCE, LLC, a Texas limited liability company ("Grantor"), in favor of ROVI SOLUTIONS CORPORATION, a Delaware corporation having a principal place of business at 2 Circle Star Way, San Carlos, CA 94070 ("Secured Party").

Pursuant to a certain Patent Rights Agreement, executed as of June 27, 2016 (the "Agreement"), by and between Grantor and Secured Party, Secured Party has sold, assigned, transferred, and conveyed to Grantor its rights, title and interests in, to and under the patents and patent applications set forth in Schedule A or any patent or patent application claiming priority to such patent or patent application, any domestic or foreign patent or any patent application corresponding to any preceding application or any divisional, continuation, continuation-in-part, substitution, revival, renewal, extension or reexamination application, or any patent that issues or reissues from any of these patent applications (the "Patents"), upon the terms and subject to the conditions set forth therein;

Pursuant to the Agreement, Grantor has granted to Secured Party a first priority pledge, lien and security interest in all of its rights, title and interests in, to and under the Patents and all proceeds thereof (the "Collateral"), as security for Secured Party's obligations under the Agreement and damages resulting from any material breach or default thereof;

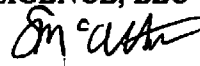
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Grantor does hereby further grant to Secured Party a first priority pledge, lien and security interest in the Collateral as security for Secured Party's obligations under the Agreement and damages resulting from any material breach or default thereof.

Grantor does hereby further acknowledge and affirm that the rights and remedies of Secured Party with respect to the first priority pledge, lien and security interest in the Collateral granted hereby are more fully set forth in the Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

IN WITNESS WHEREOF, Grantor has caused this instrument to be executed as of the day and year first written above.


(The remainder of this page has been intentionally left blank. Signatures follow.)

MARKING OBJECT VIRTUALIZATION
INTELLIGENCE, LLC

By: 

Name: Stephen McArthur
Title: Manager

WITNESS:

By: 

Name: Alexandra Welch
Title:

ROVI SOLUTIONS CORPORATION

By: 

Name: Kevin Tanji
Title: AUTHORIZED SIGNATORY

WITNESS:

By: 

Name: Khalilah Walters
Title: Commercial Affairs Legal Counsel

(Signature Page to Grant of Security Interest in Patents)

SCHEDULE A PATENTS

Country	Status	App. No.	Patent No.
US	Granted	10/081,173	7299209
US	Granted	09/231,140	6510516
US	Granted	09/360,297	6802006
US	Granted	10/924,420	7650504
US	Granted	09/620,781	6813640
US	Granted	10/928,472	7650418
US	Granted	09/760,956	7200230
US	Granted	09/711,000	7124114
US	Granted	09/171,763	6381367
US	Granted	09/164,859	6374036
US	Granted	09/188,990	6360000
US	Granted	09/195,178	6553127
US	Granted	09/327,996	6701062
US	Granted	09/452,354	6594441
US	Granted	10/703,681	7764790
US	Granted	12/815,291	8014524
US	Granted	09/799,648	6931536
DE	Granted	950637.9	60047794
EP	Granted	950637.9	1303802
FR	Granted	950637.9	1303802
GB	Granted	950637.9	1303802
EP	Granted	99903135.4-2212	1047992
AT	Granted	99903135.4-2212	1047992
BE	Granted	99903135.4-2212	1047992
DE	Granted	99903135.4	69901231.7-08
DK	Granted	99903135.4-2212	1047992
ES	Granted	99903135.4-2212	1047992
FR	Granted	99903135.4-2212	1047992

Country	Status	App. No.	Patent No.
GB	Granted	99903135.4-2212	1047992
GR	Granted	99903135.4-2212	3040059
IE	Granted	99903135.4-2212	1047992
IT	Granted	99903135.4-2212	1047992
NL	Granted	99903135.4-2212	1047992
PT	Granted	99903135.4-2212	1047992
SE	Granted	99903135.4-2212	1047992
WO	App.	WO1999036854A1	N/A
EP	Granted	1977557.6	1332618
DE	Granted	1977557.6	60148635.8
FR	Granted	1977557.6	1332618
GB	Granted	1977557.6	1332618
WO	App.	WO2002039713A2	N/A
EP	App.	EP1332618A2	N/A
WO	App.	WO2002039713A3	N/A
EP	Granted	2786423	1444561
BE	Granted	2786423	1444561
FR	Granted	2786423	1444561
GB	Granted	2786423	1444561
DE	Granted	2786423	60211372.5
IE	Granted	2786423	1444561
NL	Granted	2786423	1444561
WO	App.	WO2003034193A3	N/A
WO	App.	WO2003034193A2	N/A

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PCT Number:	US0233072
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ATTORNEY DOCKET NUMBER:	003596-0425
NAME OF SUBMITTER:	LINDA BLAKE
Signature:	/Linda Blake/
Date:	07/26/2016

Total Attachments: 4	
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RECEIPT INFORMATION	
EPAS ID:	PAT3978612
Receipt Date:	07/26/2016

PATENT

RECORDED 07/28/2016

REEL: 039503 FRAME: 0405