PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3978612

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		

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
Patent Number:	6931536
PCT Number:	US0233072
PCT Number:	US9900968
PCT Number:	US0131325

PATENT REEL: 039261 FRAME: 0298

503931957

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:	07/26/2016

Total Attachments: 4

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GRANT OF SECURITY INTEREST IN PATENTS

THIS GRANT OF SECURITY INTEREST IN PATENTS, dated as of July _____, 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.)

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MARKING OBJECT VIRTUALIZATION INTELLIGENCE, LLC

Name: Stephen McArthur Title: Manager

WITNESS:

Name: Alexandra Welch Title:

ROVI SOLUTIONS CORPORATION

Name: Title:

Kevin Tanji AUTHORIZED SIGNATORY

WITNESS:

Name: Khafilah Walters Title: Commercial Affrica Legal Council

(Signature Page to Grant of Security Interest in Patents)

SCHEDULE A PATENTS

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 10/703,681 7764790 US Granted 10/703,681 7764790 US Granted	
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	9.810.9	App. No.	Patent No.
GB	Granted	99903135.4-2212	1047992
GR	Granted	99903135.4-2212	3040059
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IT	Granted	99903135.4-2212	1047992

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wo	Арр.	WO1999036854A1	N/A
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wo	Арр.	WO2002039713A3	N/A
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GB	Granted	2786423	1444561
DE	Granted	2786423	60211372.5
IE	Granted	2786423	1444561
NL	Granted	2786423	1444561
WO	Арр.	WO2003034193A3	N/A
wo	Арр.	WO2003034193A2	N/A
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RECORDED: 07/26/2016