502937646 08/15/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDREW DOLGANOW	08/11/2014

RECEIVING PARTY DATA

Name:	ALCATEL-LUCENT CANADA INC.	
Street Address:	600 MARCH ROAD	
City:	OTTAWA, ONTARIO	
State/Country:	CANADA	
Postal Code:	K2K 2E6	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14454271

CORRESPONDENCE DATA

Fax Number: (631)393-6271

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: 631-393-6270

Email:nyoffice@rml-law.comCorrespondent Name:JOSEPH B. RYAN

Address Line 1: 48 SOUTH SERVICE ROAD, SUITE 100

Address Line 2: RYAN, MASON & LEWIS, LLP
Address Line 4: MELVILLE, NEW YORK 11747

ATTORNEY DOCKET NUMBER:	816695-US-NP
NAME OF SUBMITTER:	JOSEPH B. RYAN
SIGNATURE:	/joseph b. ryan/
DATE SIGNED:	08/15/2014

Total Attachments: 2

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PATENT 502937646 REEL: 033547 FRAME: 0549

ASSIGNMENT AND AGREEMENT

For value received, I, Andrew Dolganow, of Ottawa, Ontario, Canada, hereby sell, assign and transfer to Alcatel-Lucent Canada Inc., a corporation of Canada, having an office at 600 March Road, Ottawa, Ontario K2K 2E6 Canada, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to NETWORK DEVICE CONFIGURED TO TRACK MULTICAST RECEIVERS described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Alcatel-Lucent Canada Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Alcatel-Lucent Canada Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said Inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Alcatel-Lucent Canada Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Alcatel-Lucent Canada Inc. in the United States and in all countries foreign to the United States, or to such nominees as Alcatel-Lucent Canada Inc. may designate.

PATENT REEL: 033547 FRAME: 0550 I agree that, when requested, I shall, without charge to Alcatel-Lucent Canada Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Date

Aug 11 2014

Aug 11 /014

Andrew Dolganow

Witness #1 Signature

POPTEOUS DENVIS

Witness #1 Print Name

Witness #2 Signature

Mitness #2 Print Name