504937105 05/30/2018

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.	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15679902

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DATE SIGNED:	05/30/2018	

Total Attachments: 2

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> **PATENT REEL: 045938 FRAME: 0875** 504937105

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: 045938 FRAME: 0876 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

PURTEOUS DENVIS

Witness #1 Print Name

Witness #2 Signature

Mitness #2 Print Name

REEL: 045938 FRAME: 0877