PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HAMID OULD-BRAHIM	12/14/2016
REDA LAICHI	12/15/2016
MUSTAPHA AISSAOUI	12/14/2016
ANAND THIAGARAJAN	12/14/2016

RECEIVING PARTY DATA

Name:	ALCATEL-LUCENT CANADA INC.
Street Address:	600 MARCH ROAD
City:	OTTAWA, ONTARIO
State/Country:	CANADA
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15377735

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NAME OF SUBMITTER:	DIANE V. LANE
SIGNATURE:	/Diane V. Lane/
DATE SIGNED:	01/18/2017

Total Attachments: 5

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ASSIGNMENT AND AGREEMENT

For value received, we,

Hamid Ould-Brahim of Kanata, ON Canada; Reda Laichi of Ottawa, ON Canada; Mustapha Aissaoui of Ottawa, ON Canada; and Anand Thiagarajan of Kanata, ON Canada

hereby sell, assign and transfer to Alcatel-Lucent Canada Inc., a corporation of Alberta, having an office at 600 March Road, Ottawa, Ontario, 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

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described in an application for Letters Patent of the United States, executed by me 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 we 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.

We 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 me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We 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.

We 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.

Hamid Ould-Brahim

Date: Dec 14/2016

Reda/L∕aichi

Date: Dec 15, 2316

Mustapha Aissabui

Date: Dec 14, 2016

Anand Thiagarajan

Date: Dec 14 2016

Alcatel-Lucent Canada Inc. 600 March Road P.O. Box 13600 Ottawa, Ontario, Canada