505899370 02/04/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DONG-SHENG YU	12/04/2010
HOSEIN NIKOPOURDEILAMI	12/04/2010
MO-HAN FONG	12/04/2010

RECEIVING PARTY DATA

Name:	NORTEL NETWORKS LIMITED
Street Address:	5945 AIRPORT ROAD
Internal Address:	SUITE 360
City:	MISSISSAUGA, ONTARIO
State/Country:	CANADA
Postal Code:	L4V 1R9

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16182525

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

Email: apsi@fr.com

Correspondent Name: FISH & RICHARDSON P.C.

Address Line 1: P.O. BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440

ATTORNEY DOCKET NUMBER:	29717-0218009
NAME OF SUBMITTER:	MONICA GAMEZ
SIGNATURE:	/Monica Gamez/
DATE SIGNED:	02/04/2020

Total Attachments: 4

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PATENT 505899370 REEL: 051717 FRAME: 0150

FOR VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, we the undersigned, whose full post office addresses are listed below our names, do hereby sell, assign and transfer to:

NORTEL NETWORKS LIMITED

(hereinafter "Nortel"), its successors, assigns and legal representatives, whose full post office address is:

5945 Airport Road, Suite 360 Mississauga, Ontario Canada, L4V 1R9

all their right, title, and interest worldwide in and to the invention relating to

UPLINK CONTROL SIGNAL DESIGN FOR WIRELESS SYSTEM

as described in an application filed in the United States on September 2, 2009 and given serial number 61/239,204 and which was converted under 37 C.F.R. § 1.53 (c) (3) to United States serial number 12/806,193 , which claims priority from an application filed in the United States on September 5, 2008 and given serial number 61/094,644, as well as all rights and privileges including priority rights arising from the aforesaid application and corresponding applications in other countries, all continuations, continuations-in-part, divisionals, renewals, substitutes or reissues thereof, and all the rights and privileges under any and all letters patent that may be granted for said invention.

We undertake without charges to Nortel but at its request and expense to execute all documents, take all oaths and do all reasonable acts to enable Nortel, its successors assigns and legal representatives to procure and maintain patent or any other intellectual property protection for said invention in any and all countries and to vest title thereto to Nortel, its successors assigns and legal representatives.

THE UNDERSIGNED hereby authorizes the firm of Smart & Biggar whose full office address is P.O. Box 2999, Station D, 900-55 Metcalfe Street, Ottawa, Ontario, K1P 5Y6, Canada, to correct clerical errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in a domestic or foreign Patent Office.

PATENT REEL: 026070 FRAME: 0505

PATENT REEL: 051717 FRAME: 0151

Witness' Name (print)

Witness' Signature

Dong-SHENG YU
31 Westpointe Crescent
Ottawa, Ontario
K2G 5Y9, Canada

Date:

HOSEIN NIKOPOURDEILAMI
236 Kohilo Crescent
Ottawa (Stittsville), Ontario
K2S 0E6, Canada

Witness' Name (print)

Date:

MO-HAN FONG
95 Beech Street, Apt, 205
Ottawa, Ontario
K1S 317, Canada

PATENT REEL: 026070 FRAME: 0506

PATENT REEL: 051717 FRAME: 0152

Witness' Signature	DONG-SHENG YU 31 Westpointe Crescent Ottawa, Ontario K2G 5Y9, Canada	Date:
Witness' Name (print) Lead Witness' Signature Leyl: Saadat Witness' Name (print)	HOSEIN NIKOPOURDEILA 236 Kohilo Crescent Ottawa (Stittsville), Ontario K2S 0E6, Canada	Date: <u>Dec.</u> 7,2010 MI
Witness' Signature Witness' Name (print)	MO-HAN FONG 95 Beech Street, Apt. 205 Ottawa, Ontario K1S 3J7, Canada	Date:

PATENT REEL: 026070 FRAME: 0507

PATENT REEL: 051717 FRAME: 0153

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		Date: _
Witness' Signature	DONG-SHENG YU 31 Westpointe Crescent Ottawa, Ontario K2G 5Y9, Canada	
Witness' Name (print)		
Witness' Signature	HOSEIN NIKOPOURDEILA 236 Kohilo Crescent Ottawa (Stittsville), Ontario K2S 0E6, Canada	Date:
Witness' Name (print)		
Witness Signature	MO-HAN FONG 95 Beech Street, Apt. 205 Ottawa, Ontario K1S 3J7, Canada	Date: Dec 4, 2010
Witness' Name (print)		

PATENT
RECORDED: 04/04/2011 REEL: 026070 FRAME: 0508

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RECORDED: 02/04/2020