

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TIMO ERKKI LUNTTILA	07/30/2018
ESA TAPANI TIIROLA	08/01/2018
KARI JUHANI HOOLI	08/31/2018
RECEIVING PARTY DATA	
Name:	NOKIA SOLUTIONS AND NETWORKS OY
Street Address:	KARAPORTTI 3
City:	ESPOO
State/Country:	FINLAND
Postal Code:	02610
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16090204
CORRESPONDENCE DATA	
Fax Number:	(202)470-6464
<i>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.</i>	
Phone:	202-470-6451
Email:	kathy@brakehughes.com
Correspondent Name:	BRAKE HUGHES BELLERMANN LLP
Address Line 1:	C/O CPA GLOBAL
Address Line 2:	900 SECOND AVENUE SOUTH, SUITE 600
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	0051-235001-2016P00397WOU
NAME OF SUBMITTER:	R. EDWARD BRAKE
SIGNATURE:	/R. Edward Brake/
DATE SIGNED:	09/29/2018
Total Attachments: 5	
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A S S I G N M E N T

For good and valuable consideration, I/we, the undersigned

Assignor 1)
Timo Erkki Lunttila
residing at:
Tontunmäentie 34 F
02200 Espoo
FINLAND

Assignor 2)
Esa Tapani Tiirola
residing at:
Porttikellionkuja 12
90450 Kempele
FINLAND

Assignor 3)
Kari Juhani Hooli
residing at:
Paloniemenranta 5 C 6
90540 Oulu
FINLAND

residing at:

hereby sell, assign, and transfer to

Nokia Solutions and Networks Oy

a Finnish corporation organized and existing under the laws of FINLAND , having its principal place of business in ESPOO , FINLAND herein the "Assignee", its successors, assigns and legal representatives the entire and exclusive right, title and interest in and for the United States, in all and to any improvements in the

(Title:) **Low Latency Hybrid Automatic Repeat Request (HARQ) Feedback For Wireless Networks**

disclosed in the application for Letters Patent designating the United States, said application being identified in our records as

Applicants File No. 2016P00397WOUS
US-/PCT-Application No. PCT/EP2016/057199

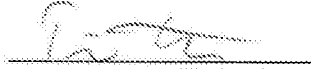
and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States on said improvements; hereby agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name and that when requested without charge to but at the expense of said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee, its successors, assigns, and legal representatives; and hereby covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

2016P00397WOUS

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Assignor 1)

Date: July 30, 2018




Timo Erkki Lunttila

2016P00397WOUS

4/5

Assignor 2)

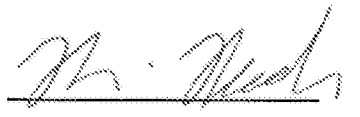
Date: 1.9.2019



Esa Tapani Tiirola

Assignor 3)

Date: 3/8.2018



Kari Juhani Hooli