

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ARTO LEHTINIEMI	11/28/2016
ANTTI ERONEN	11/28/2016
JUSSI LEPPANEN	11/28/2016
JUHA ARRASVUORI	11/28/2016
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Property Type	Number
Application Number:	16462434
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ATTORNEY DOCKET NUMBER:	NC101930-US-PCT
NAME OF SUBMITTER:	THAO PHAM
SIGNATURE:	/Thao Pham/
DATE SIGNED:	05/20/2019
Total Attachments: 5	
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ASSIGNMENT

I/we, (The ASSIGNOR(S)):

**Arto Juhani Lehtiniemi
Antti Johannes Eronen
Jussi Artturi Leppanen
Juha Henrik Arrasvuori**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, hereby assign to (hereafter referred to as The ASSIGNEE):

Nokia Technologies OY
Karaportti 3
02610 Espoo
Finland

An invention entitled (invention Title):

AN APPARATUS AND ASSOCIATED METHODS

The PATENT RIGHTS referred to in this agreement are:

- a national Patent Application No. _____ filed on _____
- European Patent Application No: 16200755.3 filed on November 25, 2016.
- PCT application No: _____ filed on _____

for this invention, executed by the ASSIGNOR(S)

- U.S. Patent Application Serial No. _____, filed _____
- U.S. Patent No. _____, issued _____

The PATENT RIGHTS assigned under this agreement are:

- U.S. Patent rights
- worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any Patent Application identified above.
- the full and exclusive right to the invention;

The ASSIGNOR(S) do hereby assign the following to each ASSIGNEE; their successors and assigns:

an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and

the right to claim priority under 35 U.S.C. § 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(S), their successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforced proper protection for said invention.

Further, I/We authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

Each Inventor: Please sign and date below:

NC101930



[Arto Juhani Lehtiniemi]

27.11.2016

Date

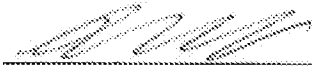


Witness Signature
Printed Name ELIISA LAMMILA

28.11.2016

Date

NC101930



[Antti Johannes Eronen]

28.11.2016

Date




Witness Signature

Printed Name CASE LAURANEN

28.11.2016

Date

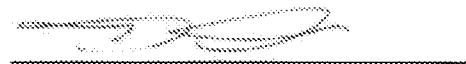
NC101930



[Jussi Artturi Leppanen]

28.11.2016

Date

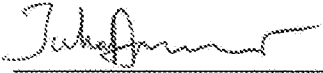


Witness Signature
Printed Name EERO LAUSMAA

28.11.2016

Date

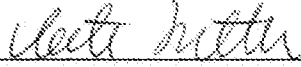
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[Juha Henrik Arrasvuori]

28.11.2016

Date



Witness Signature

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Aina Lehto

28.11.2016

Date