## 503247117 04/01/2015

# **PATENT ASSIGNMENT COVER SHEET**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MIIKA TUPALA	04/14/2014

## **RECEIVING PARTY DATA**

Name:	NOKIA CORPORATION	
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State/Country:	FINLAND	
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### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	14676741	

#### **CORRESPONDENCE DATA**

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NAME OF SUBMITTER:	SANDY FONG-HOU
SIGNATURE:	/Sandy Fong-Hou/
DATE SIGNED:	04/01/2015

**Total Attachments: 2** 

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PATENT 503247117 REEL: 035316 FRAME: 0013

#### ASSIGNMENT

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

#### Miika Tupala

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

Nokia Corporation Keilalahdentie 4 FI-02150 Espoo Finland.

An invention entitled (invention Title):

## METHOD AND APPARATUS FOR DETERMINING DIRECTION OF POWER DELIVERY

The PATENT X	RIGHTS referred to in this agreeme a national Patent Application No. 20 European Patent Application No. PCT application No.			April 09, 2014.
for this inventi -	on, executed by the ASSIGNOR(S) U.S. Patent Application Serial No U.S. Patent No	14/676741 , issued	, filed _	April 1, 2015
The PATENT X X X	RIGHTS assigned under this agreer U.S. Patent rights worldwide Patent rights. In this case benefit of the filing date of any Pate the full and exclusive right to the inv	e, the assignee s nt Application ide		

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.  $\S$  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:

PATENT REEL: 035316 FRAME: 0014 NC85524

Witness Signature
Printed Name KALLE MOILANEN

14.4.2019 Date

14.4.2014 Date

**PATENT REEL: 035316 FRAME: 0015**