PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDREAS FRÖMEL	01/28/2014
JANI KUIVALAINEN	02/18/2014

RECEIVING PARTY DATA

Name:	NOKIA CORPORATION	
Street Address:	KEILALAHDENTIE 4	
City:	ESPOO	
State/Country:	FINLAND	
Postal Code:	02150	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14128826

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Email: Sandy.fong-Hou@nokia.com

Correspondent Name: NOKIA, INC. ATTN: INTELLECTUAL PROPERTY

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ATTORNEY DOCKET NUMBER:	NC75397-US-PCT
NAME OF SUBMITTER:	SANDY FONG-HOU
SIGNATURE:	/Sandy Fong-Hou/
DATE SIGNED:	05/02/2014

Total Attachments: 3

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PATENT 502793962 REEL: 032815 FRAME: 0200

ASSIGNMENT - WORLDWIDE

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

Andreas Fromei Jani Kuivalainen

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):

A DUST SHIELDING APPARATUS

The PATE	ENT RIGHTS referred to in this agreement are:		
	a national Patent Application No. filed on		
•	European Patent Application No. filed on		
X	PCT application No. PCT/IB2011/052921 filed on July 01, 2011.		
for this in	vention, executed by the ASSIGNOR(S)		
X	U.S. Patent Application Serial No. 14/128826 filed December 23, 2013		
	U.S. Patent No. , issued		
•••			
The PATI	ENT RIGHTS assigned under this agreement are:		
Х	U.S. Patent rights		
<u>X</u>	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 ASSIGNOR(S) do hereby assign the following to each ASSIGNEE; their successors and assigns:

the full and exclusive right to the invention;

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.);

PATENT REEL: 032815 FRAME: 0201

Each Inventor: Please sign and date below: | Algorithms | 28.01.2019 | | Date | 28.01.2019 | | Date | 28.01.2019 | | Date | Date | Date | | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | | Date | Date | Date | Date | Date | | Date | Date | Date | Date | Date | | Date | Date | Date | Date | Date | | Date | Date | Date | Date | Date | Date | | Date | Date | Date | Date | Date | Date | | Date | Da

Date

NC75397-US-PCT

Witness Signature
Printed Name

PATENT REEL: 032815 FRAME: 0202

NC75397-US-PCT	
Each Inventor Please sign and date below	
Andreas Fromei]	Date
Witness Signature Printed Name	Date
Jáni Kuivalainen] Witness Signature Printed Name	8/02/2014 Date <u>/8/02/2014</u> Date
Printed Name <u>Siegel</u>	

RECORDED: 05/02/2014

PATENT REEL: 032815 FRAME: 0203