502719402 03/13/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
JUHA ALAKARHU	03/06/2014	

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14129314

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DATE SIGNED:	03/13/2014

Total Attachments: 2

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PATENT 502719402 REEL: 032424 FRAME: 0315

H&S Docket No.: 8 Nokia Docket No.: 1		For ⊠ U.S. and For ⊠ U.S. App			
				_ U.S. Patent	
	ASSIGNN	MENT OF INVENTION	ON		
In accordance with below, or ASSIGN consideration,	an agreement betwee ORS, if more than o	en ASSIGNEE and A one name be listed bo	SSIGNOR, How, and fo	if one name or good and	be listed valuable
(1) ASSIGNOR (in	ventor):				
FULL NAME OF INVENTOR:	LAST NAME ALAKARHU	FIRST NAME Juha	MIDDL	E NAME	
hereby sell(s), assign	n(s) and transfer(s) to				
ASSIGNEE:					
	Nokia Corporation Keilalahdentie 4 02150 Espoo Finland	on ·			
interest for the Unite	ed States and its territ	resentatives of the ASS corial possessions, and ation and all improver	in all foreign	n countries.	including
	ARRANGEMENT	FOR MACRO PHOT	OGRAPHY	Y	
which is found in:					
the paten	t application executed	on the same date here	ewith,		
U.S. pate	nt application number	r filed,			
⊠ was d PCT/FI2011/	escribed and clair 050619 filed on <u>June</u>	med in PCT Inter	mational A	Application	Number
and any lo	egal equivalent therec the right to claim pri	of in a foreign country, ority			

and, in and to, all Letters Patent to be obtained for said invention, the above application, or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any reissue or re-examination thereof;

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and any prior U.S. provisional patent application(s) (if ar	ny) including the following:		
Application No.: Filir	ng Date:		
ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment. ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.			
(1) Assignor Name: Juha ALAKARHU			
By: Signature	Date 3 2014		
Witnessed: (1) Unio Contto: Witness Name:	6.3.2014		
WILLIAM TAILLY	Date		