

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Antero Heikki Hemminki Aaltonen</td> <td>01/11/2013</td> </tr> <tr> <td>Jorma Mikael Ikonen</td> <td>01/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	Antero Heikki Hemminki Aaltonen	01/11/2013	Jorma Mikael Ikonen	01/11/2013
Name	Execution Date						
Antero Heikki Hemminki Aaltonen	01/11/2013						
Jorma Mikael Ikonen	01/11/2013						
RECEIVING PARTY DATA							
Name:	Nokia Corporation						
Street Address:	Keilalahdentie 4						
City:	Espoo						
State/Country:	FINLAND						
Postal Code:	FIN-02150						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13713785</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13713785		
Property Type	Number						
Application Number:	13713785						
CORRESPONDENCE DATA							
Fax Number:	7044441111						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	704-444-1000						
Email:	usptomail@alston.com						
Correspondent Name:	Nokia Corporation and Alston & Bird LLP						
Address Line 1:	Bank of America Plaza, 101 South Tryon S						
Address Line 2:	Suite 4000						
Address Line 4:	Charlotte, NORTH CAROLINA 28280-4000						
ATTORNEY DOCKET NUMBER:	042933/428084						
NAME OF SUBMITTER:	Guy R. Gosnell						
Total Attachments: 3 source=428084ASSIGN#page1.tif source=428084ASSIGN#page2.tif source=428084ASSIGN#page3.tif							

CH \$40.00 13713785

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

**Nokia Corporation
Keilalahdentie 4
Espoo FIN-02150
FINLAND**

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in

"DISPLAY APPARATUS AND ASSOCIATED METHOD"

as set forth in this United States Patent Application

- executed concurrently herewith
- executed on
- Application No. 13/713,785; filed December 13, 2012
- Application claims priority from Application No. _____, filed _____, all applications listed above being hereinafter referred to as the "application(s)";

(We hereby authorize and request the Assignee and its attorney (Alston & Bird LLP) to insert above the application number and filing date of said application when known.)

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in

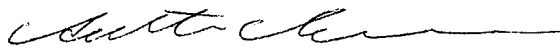
form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

This Assignment is deemed to be effective at least as early as December 13, 2012 (the earliest priority date).

11.1.2013

Date




Antero Heikki Hemminki Aaltonen

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

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Date


Jorma Mikael Ikonen

Attorney Docket No. 042933/428084

Client Ref. NC80117US