

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Janne Elsila</td><td>12/08/2008</td></tr><tr><td>Hannu Kalliomaa</td><td>12/05/2008</td></tr><tr><td>Tero T. Karkkkainen</td><td>12/09/2008</td></tr><tr><td>Jussi E. Maki</td><td>12/18/2008</td></tr><tr><td>Kevin Quigley</td><td>12/05/2008</td></tr><tr><td>Mark Zurich</td><td>12/08/2008</td></tr></tbody></table>	Name	Execution Date	Janne Elsila	12/08/2008	Hannu Kalliomaa	12/05/2008	Tero T. Karkkkainen	12/09/2008	Jussi E. Maki	12/18/2008	Kevin Quigley	12/05/2008	Mark Zurich	12/08/2008	
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RECEIVING PARTY DATA															
Name:	Nokia Corporation														
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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>12261380</td></tr></tbody></table>	Property Type	Number	Application Number:	12261380											
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Application Number:	12261380														
CORRESPONDENCE DATA															
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ATTORNEY DOCKET NUMBER:	042933/363338														

CH \$40.00 12261380

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PATENT
REEL: 022057 FRAME: 0378

NAME OF SUBMITTER:

Charles A. Leyes, Reg. 61,317

Total Attachments: 7

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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
FIN-02150 Espoo, 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 "**METHODS, APPARATUSES, AND COMPUTER PROGRAM PRODUCTS FOR REDUCING POWER CONSUMPTION IN COMPUTING DEVICES**" as set forth in this United States Patent Application

- ☐ executed concurrently herewith
- ☐ executed on
- ☒ Application No. 12/261,380; filed October 30, 2008
- ☐ 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 October 30, 2008 (the earliest priority date).

8.12.2008

Date

Janne Elsilä

Janne Elsilä

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.

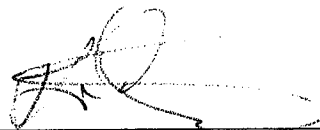
5.12.2008
Date

Hannu Kalliomaa
Hannu Kalliomaa

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.

9.12.2008


Date



Tero T. Karkkainen

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.

December 18, 2008
Date


Jussi E. Mäki

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.

5th December 2008
Date


Kevin Quigley

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.

Dec. 8, 2008
Date

Mark A. Zurich
Mark Zurich

Attorney Docket No. 042933/363338