

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
MARKUS RUDIGER NENTWIG		12/17/2012
JOUNI KRISTIAN KAUKOVUORI		12/17/2012
RECEIVING PARTY DATA		
Name:	RENESAS MOBILE CORPORATION	
Street Address:	6-2 OTEMACHI 2-CHOME	
City:	TOKYO	
State/Country:	JAPAN	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	14102745	
CORRESPONDENCE DATA		
Fax Number:		
Phone:	860-521-0829	
Email:	patent@stantonip.com	
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>		
Correspondent Name:	STANTON IP LAW, LLC	
Address Line 1:	433 SOUTH MAIN STREET, SUITE 105	
Address Line 4:	WEST HARTFORD, CONNECTICUT 06110	
ATTORNEY DOCKET NUMBER:	12.0335US01	
NAME OF SUBMITTER:	JERRY STANTON	
Signature:	/Jerry Stanton/	
Date:	12/11/2013	
Total Attachments: 3 source=Assignment v1#page1.tif source=Assignment v1#page2.tif source=Assignment v1#page3.tif		

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## ASSIGNMENT

<b>Title of Invention</b>	Calibration	
<b>Filing Details</b>	This assignment is directed to (check all that apply) : <input type="checkbox"/> US Provisional Application No. _____ Filed On _____ <input checked="" type="checkbox"/> US Application No. <u>14/102,745</u> Filed On <u>11 December 2013</u> <input type="checkbox"/> Which is a 371 national stage of _____ Filed On _____ <input checked="" type="checkbox"/> United Kingdom Patent Application <u>1222643.7</u> Filed On <u>14 December 2012</u> <input type="checkbox"/> PCT Application No. _____ Filed On _____	

As the below named inventor(s), I/we have invented certain improvements in the patent application for which I/we have filed an application for Letters Patent of the United States of America / United Kingdom Patent Application / 371 National Stage Application / PCT Application as identified above;

WHEREAS, I/we authorize the attorney of record to update this document to include Filing Details as listed above (i.e., filing date, serial number, etc.) to correspond to the Title of the Invention and Docket Number if such Filing Details are not available at the time I/we signed this document;

WHEREAS, RENESAS MOBILE CORPORATION, a corporation organized under the laws of Japan, having its principal office in Tokyo, Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and under the said invention and the said application, and in and to any and all Letters Patent which shall be granted therefore in any and all countries where it has been filed, including all rights to claim priority, and to any and all improvements which are disclosed in the invention entitled.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under said invention, and said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of any and all countries which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the any official of any country or countries, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

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AND WE HEREBY further covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

Inventor Name: NENTWIG, Markus Rudiger

  
Inventor Signature

Residence Address: Kauppaneuvoksentie 20 A 8,  
00200 Helsinki  
Finland

Dated: 17.12.2012

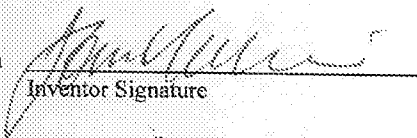
  
Witness Signature

Witness Name: DAN SANDSTRÖM

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Inventor Name: KAUKOVUORI, Jouni Kristian

  
Inventor Signature

Residence Address: Lehtikummuntie 21 C 5  
01690 Vantaa  
Finland

Dated: 17<sup>th</sup> Dec 2012

  
Witness Signature

Witness Name: DAN JANKARI

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