

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3888540

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|------------------------------|----------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| SEQUENCE: | 1 |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| WEI HONG | 08/08/2012 |
| JUKKA TAPIO RANTA | 08/09/2012 |
| HAIMING WANG | 08/08/2012 |
| NA WEI | 08/08/2012 |

RECEIVING PARTY DATA

| | |
|------------------------|-----------------------------------|
| Name: | RENESAS MOBILE CORPORATION |
| Street Address: | 6-2, OTEMACHI 2-CHOME, CHIYODA-KU |
| City: | TOKYO |
| State/Country: | JAPAN |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------------------|----------|
| Application Number: | 14420077 |

CORRESPONDENCE DATA**Fax Number:** (703)413-2220*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***Phone:** (703) 413-3000**Email:** hcho@oblon.com**Correspondent Name:** OBLON, ET AL.**Address Line 1:** 1940 DUKE STREET**Address Line 4:** ALEXANDRIA, VIRGINIA 22314

| | |
|--------------------------------|--------------|
| ATTORNEY DOCKET NUMBER: | 448369US8PCT |
| NAME OF SUBMITTER: | HYUN CHO |
| SIGNATURE: | /Hyun Cho/ |
| DATE SIGNED: | 05/25/2016 |

Total Attachments: 5

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ASSIGNMENT

| | | | |
|---------------------------|--|--------------------------------|--|
| Title of Invention | APPARATUSES, METHODS AND COMPUTER PROGRAM PRODUCTS RELATED TO IMPROVEMENTS IN AUTONOMOUS DENIAL PROHIBITION MECHANISMS | | |
| Filing Details | This assignment is directed to (check all that apply) : | | |
| | <input type="checkbox"/> US Provisional Application No. _____ | Filed On _____ | |
| | <input type="checkbox"/> US Application No. _____ | Filed On _____ | |
| | <input type="checkbox"/> a 371 national stage of _____ | Filed On _____ | |
| | <input type="checkbox"/> United Kingdom Patent Application _____ | Filed On _____ | |
| | <input checked="" type="checkbox"/> PCT Application No. <u>PCT/CN2012/079735</u> | Filed On <u>August 6, 2012</u> | |

As the below named inventor(s), I/we,

- (1) **Wei Hong**, a citizen of the People's Republic of China and residing at Room 606, Haidian North Second Street, Haidian District, Beijing 100080, China;
- (2) **Jukka Tapio Ranta**, a citizen of Finland and residing at Rauhamäenkatu 1, FIN-20780 Kaarina, Finland;
- (3) **Haiming Wang**, a citizen of the People's Republic of China and residing at Room 1403, Unit 5, Building 101, Jiang Fu Jia Yuan, Jiang Tai Road, Chaoyang District, Beijing 100015, China;
- (4) **Na Wei**, a citizen of the People's Republic of China and residing at #609-2-303 Jing Ao Jia Yuan, Chaoyang District, Beijing 100018, China;

have invented certain improvements in the patent application for which I/we have filed an application for Letters Patent 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 6-2, Otemachi 2-chome, Chiyoda-ku, 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, non-provisional, and continuing applications thereof,

Assignee docket RM126248.

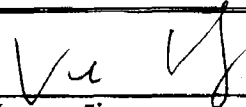
and all Letters Patent of any and all countries which may be granted thereon and all reissues, reexaminations, and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries, and all extensions, renewals, reexaminations, and reissues 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 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.

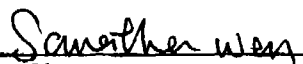
AND WE HEREBY further covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, reexamination, 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.

This Assignment is deemed to be effective at least as early as August 6, 2012 (the first filing priority date).

Inventor Name: Wei Hong


Inventor Signature

Dated: 2012-08-08


Witness Signature

Witness Name: SAMANTHA WAN

Inventor Name: Jukka Tapio Ranta

Jukka Ranta
Inventor Signature

Dated: 9-AUG-2012

Merja Rannikko
Witness Signature

Witness Name: MERJA RANNIKKO

Assignee docket RM126248.

Inventor Name: Haiming Wang

Haiming wang
Inventor Signature

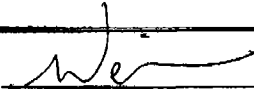
Dated: 2012.08.08

Samantha Wan
Witness Signature

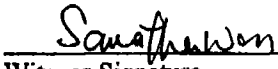
Witness Name: SAMANTHA WAN

Assignee docket RM126248.

Inventor Name: Na Wei


Inventor Signature

Dated: 2012-8-8


Witness Signature

Witness Name: SAMANTHA WEN