504363556 05/11/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4410248

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|--------------------|
| NATURE OF CONVEYANCE: | PARTIAL ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------------------|----------------|
| SONY MOBILE COMMUNICATIONS INC. | 04/27/2017 |

RECEIVING PARTY DATA

| Name: | SONY CORPORATION |
|-------------------|------------------|
| Street Address: | 1-7-1 KONAN |
| Internal Address: | MINATO-KU |
| City: | TOKYO |
| State/Country: | JAPAN |
| Postal Code: | 108-0057 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14825199 |

CORRESPONDENCE DATA

Fax Number:

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.

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Address Line 4: RALEIGH, NORTH CAROLINA 27627

| ATTORNEY DOCKET NUMBER: | 9342-598 / PS15 0387US1 | |
|-------------------------|-------------------------|--|
| NAME OF SUBMITTER: | SUSAN E. FREEDMAN | |
| SIGNATURE: | /Susan E. Freedman/ | |
| DATE SIGNED: | 05/11/2017 | |

Total Attachments: 2

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PATENT 504363556 REEL: 042448 FRAME: 0177

ASSIGNMENT

WHEREAS, Sony Mobile Communications Inc., having a place of business at 4-12-3 Higashi-Shinagawa, Shinagawa-ku, Tokyo 140-0002 JAPAN, a corporation organized and existing under the laws of the Country of Japan, is the exclusive owner, by assignment, of the application for letters patent of the United States of America Application No. 14/825,199 filed 13 Aug 2015, and

WHEREAS, Sony Corporation, having a place of business at 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan, a corporation organized and existing under the laws of the Country of Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring partial right, title and interest in and to said application for letters patent, the invention described therein, and in and to any and all Letters Patent that may be granted therefor in the United States and its territorial possessions;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other valuable consideration, the receipt of which is hereby acknowledged, Sony Mobile Communications Inc. by these presents do sell, assign and transfer unto said ASSIGNEE right, title and interest for the territory of the United States of America in and to the aforesaid application for letters patent, the invention described therein and in and to any and all Letters Patent which may be granted therefor and in and to any and all divisions, continuations, reissues, substitutions and renewals thereof.

Sony Mobile Communications Inc. hereby authorizes and requests that the Patent
Office in the United States and its territorial possessions issue any and all of said Letters
Patent, when granted, jointly to said ASSIGNEE as an assignee of right, title and interest,

PATENT REEL: 042448 FRAME: 0178 for the use and benefit of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, to the extent hereby assigned.

IN TESTIMONY WHEREOF, Sony Mobile Communications Inc. has caused these presents to be signed by its officer hereunto duly authorized.

SONY MOBILE COMMUNICATIONS INC.

Date: Apr. 27,2017

Name: Ryosuke Nomura

Title: Senior Manager, Patent Section, Global IPR & Licensing Department

> PATENT REEL: 042448 FRAME: 0179

RECORDED: 05/11/2017