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PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | | | NEW ASSIGNMENT | |
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| NATURE OF CONVEYANCE: | | | ASSIGNMENT | |
| CONVEYING PARTY | DATA | | L | |
| | | N | lame | Execution Date |
| DANIEL WILSON | | | | 10/09/2013 |
| ANAND DALAL | | | | 10/09/2013 |
| JOSH DE CESARE | | | | 10/09/2013 |
| RECEIVING PARTY D | ATA | | | |
| Name: | APPLE INC. | | | |
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| City: | CUPERTINO | | | |
| State/Country: | CALIFORNIA | | | |
| Postal Code: | 95014 | | | |
| PROPERTY NUMBER | | | | |
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PATENT

REEL: 031401 FRAME: 0837

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Total Attachments: 2

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ASSIGNMENT

WHEREAS, We, DANIEL WILSON, ANAND DALAL, and JOSH DE CESARE, have invented certain new and

useful improvements in a METHODS AND APPARATUS FOR REDUCING POWER CONSUMPTION WITHIN

EMBEDDED SYSTEMS for which we have filed an application for Letters Patent on Oct 4, 2013 1, in the United

States, as Application Serial No. 14/046,824 , which claims priority to U.S. Provisional Patent Application Serial

No. 61/709,567 filed October 4, 2012;

AND WHEREAS, APPLE INC. (hereinafter "ASSIGNEE"), a California Corporation, with its principal place of

business at 1 Infinite Loop, Cupertino, California 95014, United States of America, desires to acquire the entire right, title,

and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and

valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the said inventors, do hereby

acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer

and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest

throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and

continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and

extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may

hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent

which may be granted for said improvements in any country or countries foreign to the United States and all extensions.

renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and

any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as

aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and

assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, successors, legal

representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign

all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do

everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce

proper patent protection for said improvements in all countries.

¹ Any attorney or agent of record and any registered attorney or agent of Gazdzinski & Associates, PC, 16644 West Bernardo Drive, Suite 201, San Diego CA, 92128, telephone (85%) 675-1670, is hereby authorized to insert, when known.

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REEL: 031401 FRAME: 0838

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Docket: APPLE.475A/P16641US1

Page 2 of 2

ASSIGNMENT

Executed this 9 day of October 2013.

DANIEL WILSON

Executed this gh day of October 2013.

ANANDDALAL

Executed this 9th day of Octobe 2013.

JOSH DE CESARI

PATENT REEL: 031401 FRAME: 0839

RECORDED: 10/14/2013