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15857US02

To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

1. Chun-ying Chen
2. Pieter Vorenkamp
3. Neil Y. Kim
4. Sumant Ranganathan

Execution Date(s) 1. 06/10/2005 2. 06/14/2005
3. 06/14/2005 4. 06/14/2005Additional name of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) _____

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
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2. Name and address of receiving party(ies)

Name: Broadcom Corporation

Internal Address: _____

Street Address: 16215 Alton Parkway

P.O. Box 57013

City: Irvine

State: CA

Country: USA

Zip: 92619-7013

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

A. Patent Application No.(s)
11/166,304☐ This document is being filed together with a new application.
B. Patent No.(s)Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: McAndrews, Held & Malloy, Ltd.

Internal Address: _____

Street Address: 500 West Madison Street

34th Floor

City: Chicago

State: IL

Zip: 60661

Phone Number: (312) 775-8000

Fax Number: (312) 775-8100

Email Address: mhmplo@mhmlaw.com

6. Total number of applications and patents involved: 17. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number 13-0017Authorized User Name McAndrews Held & Malloy, Ltd.

9. Signature:



Signature

Shawn L. Peterson Reg. No. 44,286

Name of Person Signing

Jan. 30, 2006

Date

Total number of pages
sheet, attachments, **PATENT**

7

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ASSIGNMENT

Attorney Docket No.: 15857US02

Serial No.: 11/166,304

Inventors:

Chun-ying Chen
Pieter Vorenkamp
Neil Y. Kim
Sumant Ranganathan

Filing Date: June 24, 2005

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to Broadcom Corporation, a California corporation, its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled: **PORTABLE COMMUNICATION DEVICE WITH MULTI-TIERED POWER SAVE OPERATION**, bearing docket No. 15857US02, filed June 24, 2005 and in a provisional application, filed in the United States Patent and Trademark Office as Serial No. 60/585,188, on July 1, 2004, and in said applications and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, reexamination, reissue or extension of such applications or patents, and further assign to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application bearing docket No. 15857US02 to insert in this assignment the filing date and serial number of said application when officially known, if applicable.

The undersigned warrant themselves to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all continuation, continuation-in-part, divisional, extension and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, re-examination or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best

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of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and to vest all rights hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

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WITNESS my hand this 10th day of June, 2005.

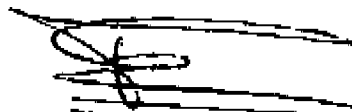

Chun-ying Chen

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WITNESS my hand this 14th day of June, 2005.



Pieter Vorenkamp

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WITNESS my hand this 14th day of June, 2005.

Neil Y. Kim
Neil Y. Kim

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WITNESS my hand this 10th day of JUNE, 2005.

R Ranganathan
Ranganathan