

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| NINGDE XIE | 11/20/2012 |
| RECEIVING PARTY DATA | |
| Name: | INTEL CORPORATION |
| Street Address: | 2200 MISSION COLLEGE BLVD. |
| City: | SANTA CLARA |
| State/Country: | CALIFORNIA |
| Postal Code: | 95054 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14705195 |
| CORRESPONDENCE DATA | |
| Fax Number: | (508)616-9661 |
| <i>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.</i> | |
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| ATTORNEY DOCKET NUMBER: | INT12-12(P48894C)CON |
| NAME OF SUBMITTER: | WENDY PENNIMAN |
| SIGNATURE: | /Wendy Penniman/ |
| DATE SIGNED: | 07/26/2016 |
| Total Attachments: 2 | |
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| source=INT12-12_P48894_Executed_Assignment#page2.tif | |

ASSIGNMENT

WHEREAS, We, Prashant S. Damle, residing at 5576 NW 131st Ave, Portland, OR 97229
460 Oak Grove Drive, Apartment 209, Santa
Clara, CA 95054, US, and Robert W. Faber, residing at 942 NE 3rd Avenue, Hillsboro, OR
2747 NE 9th Dr. Hillsboro, OR, 97124, US. NX
1396 NE Carlaby Way, #133, Hillsboro, OR 97124, US.
made certain new and useful inventions and improvements for which we filed an application for
Letters Patent of the United States on 11-21-2012, which application was assigned U.S.
patent application serial number 13/682,885, and is entitled FLEXIBLE WEAR
MANAGEMENT FOR NON-VOLATILE MEMORY;

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by
virtue of the laws of the State of Delaware, and having an office and place of business at 2200
Mission College Blvd., Santa Clara, CA 95054 (hereinafter 'Assignee'), is desirous of acquiring
the entire right, title and interest in and to said inventions, improvements and application and in
and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and
valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have
sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said
Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all
inventions and improvements disclosed in the aforesaid application, and in and to the said
application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters
Patent which may be granted there from, and all reissues or extensions of such patents, and in
and to any and all applications which have been or shall be filed in any foreign countries for
Letters Patent on the said inventions and improvements, including an assignment of all rights
under the provisions of the International Convention, and all Letters Patent of foreign countries
which may be granted there from; and we do hereby authorize and request the Commissioner of
Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid
inventions and improvements to the said Assignee as the assignee of the entire right, title and
interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

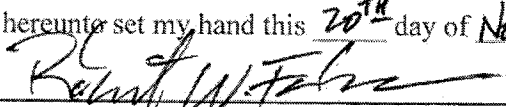
AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 20th day of November, 2012.



Prashant S. Damle

IN TESTIMONY WHEREOF, I have hereunto set my hand this 20th day of November, 2012.



Robert W. Faber

IN TESTIMONY WHEREOF, I have hereunto set my hand this 20th day of November, 2012.



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