

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | PANASONIC CORPORATION | 02/10/2021 |
| RECEIVING PARTY DATA | | |
| Name: | APPLE INC. | |
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| Postal Code: | 95014 | |
| PROPERTY NUMBERS Total: 5 | | |
| Property Type | Number | |
| Application Number: | 14112440 | |
| Application Number: | 14122507 | |
| Application Number: | 14920751 | |
| Application Number: | 15945498 | |
| Application Number: | 16934855 | |
| CORRESPONDENCE DATA | | |
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| ATTORNEY DOCKET NUMBER: | 090911-TBD | |
| NAME OF SUBMITTER: | PATRICIA CALDWELL | |
| SIGNATURE: | /Patricia Caldwell/ | |
| DATE SIGNED: | 04/02/2021 | |
| Total Attachments: 3 | | |

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ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Panasonic Corporation, a Japanese corporation ("**Assignor**") does hereby irrevocably sell, assign, transfer, and convey unto Apple Inc., a California corporation, ("**Assignee**"), or Assignee's designees, all of Assignor's right title and interest in and to all of the following (collectively, the "**Assigned Patent Rights**"):

- a) all provisional patent applications, patent applications, all patents which may be issued anywhere in the world based on such provisional patent applications or patent applications, and issued patents listed in the attached Appendix (the "**Patents**");
- b) all provisional patent applications, patent applications, patents or other similar governmental grants or issuances worldwide (i) from which any of the Patents directly or indirectly claims priority and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;
- c) any reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, and divisions, worldwide, of any provisional patent application, patent application, patent or other governmental grant or issuance set forth in clauses (a) and/or (b);
- d) foreign patents, patent applications, and counterparts relating to any item in the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;
- e) items in any of the foregoing in categories (a) through (d), whether or not expressly listed as Patents in the attached Appendix and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like (clauses (a) through (e), collectively, the "**Assigned Patents**");
- f) rights to all inventions, invention disclosures, and discoveries described in any item in the foregoing categories (a) through (e) and all other rights arising out of such inventions, invention disclosures, and discoveries;
- g) rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in the foregoing categories (a) through (f), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;
- h) any causes of action (whether currently pending, filed or otherwise) and all other enforcement rights and rights to remedies under, on account of, or related to any of the Assigned Patents and/or any item in any of the foregoing categories (a) through (g), including, without limitation, all causes of action and other enforcement rights for (1) damages, (2) injunctive or other equitable relief, and (3) other remedies of any kind for past, current and future infringement, misappropriation or violation of rights and all rights to sue for any of the foregoing;
- i) all rights to collect royalties and other payments (including past damages) received for future enforcements or license agreements under or on account of any of the Assigned Patents and/or any item in the foregoing categories (b) through (h); and
- j) any and all other rights and interests worldwide, arising out of, in connection with or in relation to the Assigned Patents.


Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

In witness whereof, intending to be legally bound, the Parties have executed this Assignment as of the Assignment Date.

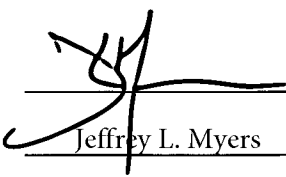
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Date: Feb 10, 2021

ASSIGNEE:

Apple Inc.

By: 
Name: Jeffrey L. Myers
Title: Assistant Secretary
Date: March 18, 2021

Appendix

| GlobalID | Patent Ref | Country | Status | Application No. | Filed Date | Patent No. |
|-----------|--------------|---------|-----------|-----------------|------------|------------------|
| GP0607337 | P0607337JP02 | JP | Granted | 2013-525540 | 2012/04/27 | 5844366 |
| GP0437291 | P0613795JP01 | JP | Granted | 2013-536343 | 2012/10/02 | 5902702 |
| GP0623989 | P0623989JP01 | JP | Granted | 2014-234374 | 2014/11/19 | 6433260 |
| GP0585410 | P0585410EP01 | EP | Granted | 03761793.3 | 2003/06/25 | 1519497 |
| GP0333769 | P0558187EP01 | EP | Granted | 03752906.2 | 2003/05/16 | 1507338 |
| GP0588861 | P0588861EP01 | EP | Granted | 05720754.0 | 2005/03/15 | 1727317 |
| GP0558711 | P0558711EP02 | EP | Granted | 04797668.3 | 2004/11/05 | 1692897 |
| GP0558712 | P0558712EP02 | EP | Granted | 04797667.5 | 2004/11/05 | 1692896 |
| GP0363684 | P0561285EP01 | EP | Granted | 05793459.8 | 2005/10/17 | 1802047 |
| GP0558711 | P0558711EP04 | EP | Granted | 10172201.5 | 2004/11/05 | 2252121 |
| GP0437291 | P0613795US01 | US | Granted | 14/112440 | 2012/10/02 | 9832086 |
| GP0437291 | P0613795CN01 | CN | Granted | 201280019031.0 | 2012/10/02 | ZL201280019031.0 |
| GP0437291 | P0613795EP01 | EP | Granted | 12869045.0 | 2012/10/02 | 2819022 |
| GP0607337 | P0607337CN01 | CN | Granted | 201280024218.X | 2012/04/27 | ZL201280024218.X |
| GP0607337 | P0607337US01 | US | Granted | 14/122507 | 2012/04/27 | 9319275 |
| GP0607337 | P0607337EP01 | EP | Granted | 12818009.8 | 2012/04/27 | 2704515 |
| GP0623989 | P0623989US01 | US | Granted | 14/920751 | 2015/10/22 | 9967755 |
| GP0607337 | P0607337DE01 | DE | Granted | 12818009.8 | 2012/04/27 | 2704515 |
| GP0623989 | P0623989US02 | US | Granted | 15/945498 | 2015/10/22 | 10757586 |
| GP0623989 | P0623989JP02 | JP | Granted | 2018-208068 | 2014/11/19 | 6632089 |
| GP0437291 | P0613795DE01 | DE | Granted | 12869045.0 | 2012/10/02 | 2819022 |
| GP0623989 | P0623989JP03 | JP | Granted | 2019-220277 | 2014/11/19 | 6816244 |
| GP0623989 | P0623989US03 | US | Published | 16/934855 | 2015/10/22 | |
| GP0617243 | P0617243JP02 | JP | Granted | 2015-522533 | 2014/06/06 | 6248287 |
| GP0624396 | P0624396JP02 | JP | Granted | 2017-506040 | 2016/01/15 | 6731658 |
| GP0460792 | P0460792JP02 | JP | Granted | 2017-521666 | 2016/04/28 | 6664124 |
| GP0462254 | P0462254JP02 | JP | Granted | 2017-538848 | 2016/07/20 | 6712789 |
| GP0463035 | P0463035JP02 | JP | Granted | 2017-548629 | 2016/10/05 | 6667169 |
| GP0460792 | P0460792JP03 | JP | Published | 2020-016284 | 2016/04/28 | |
| GP0462254 | P0462254JP03 | JP | Published | 2020-086052 | 2016/07/20 | |
| GP0624396 | P0624396JP03 | JP | Published | 2020-107089 | 2016/01/15 | |