505669421 09/12/2019

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|----------------------|----------------|----------------|
| ASSIGNMENT | | |
| | | |
| CONVEYING PARTY DATA | | |
| CONVEYING PARTY DATA | Name | Execution Date |

| | 00/10/2010 |
|-------------------|------------|
| DAVID J. HOWARD | 08/13/2018 |
| JEFFERSON E. ROSE | 08/13/2018 |
| MICHAEL J. DEBAR | 08/13/2018 |
| NABIL EL-HINNAWY | 08/13/2018 |

RECEIVING PARTY DATA

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| State/Country: CALIFORNIA | | |
| Postal Code: | 92660 | |

| PROPERTY NUMBERS Total: 1 | | |
|---------------------------|----------|--|
| Property Type | Number | |
| Application Number: | 16546211 | |

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| ATTORNEY DOCKET NUMBER | : | 0150201C1 | | |
| NAME OF SUBMITTER: | | MICHAEL FARJAMI | | |
| SIGNATURE: | | /Michael Farjami/ | | |
| DATE SIGNED: | | 09/12/2019 | | |

This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 050360 FRAME: 0685

| Total Attachments: 3 |
|--|
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| source=0150201C1 Combined Decl. and Assign. (As filed Sep. 12, 19)#page2.tif |
| source=0150201C1 Combined Decl. and Assign. (As filed Sep. 12, 19)#page3.tif |

DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

Title of Invention Design for High Reliability RF Switch Based on Phase-Change Material

As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:

Enter Apple. No. "United States Application Number or PCT International Appln. No.

16/103,587

Enter Filing Date Sfiled on August 14, 2018

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

WHEREAS, the undersigned has invented certain at least one claim in the application identified.

WHEREAS, NEWPORT FAB, LLC DBA JAZZ SEMICONDUCTOR, a Delaware corporation

Insert Name of Assignee

Insert Address of Assignee

Hof 4321 Jamboree Rd., Newport Beach, CA 92660 USA

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

Check Box if Appropriate ⇒⊠ in any foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has (have) sold, assigned and transferred, and by these considerations does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions of all of the above for the full term or terms for which the same may be granted.

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PATENT REEL: 050360 FRAME: 0687

The undersigned agrees to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof or any other proceedings before the United States Patent and Trademark Office and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the Assignee's legal representatives the power to insert in this document, before or after it has been executed by the undersigned, any information to identify the instant patent application which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

Full Name of Inventor:

GREGORY P. SLOVIN

Inventor's Signature

Full Name of Inventor:

DAVID J. HOWARD

Inventor's Signature

Full Name of Inventor:

8 18 13

Inventor's Signature

JEFFERSON E. ROSE

Full Name of Inventor:

MICHAEL J. DEBAR

8/13/18 Date

-----Inventor's Signature

Full Name of Inventor:

NABIL EL-HINNAWY Inventor's Signatule

Page 3 of 3

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PATENT

REEL: 050360 FRAME: 0689