

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6908447

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LONGITUDE ENTERPRISE FLASH S.A.R.L.	11/26/2018
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17343116
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<b>ATTORNEY DOCKET NUMBER:</b>	10788.0318
<b>NAME OF SUBMITTER:</b>	DAVID WADE SCHNELL
<b>SIGNATURE:</b>	/david wade schnell/
<b>DATE SIGNED:</b>	09/09/2021
<b>Total Attachments: 6</b>	
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Assignment of Patent Rights

This Assignment of Patent Rights ("Assignment") is made effective as of Nov. 16, 2018 (the "Effective Date") between Longitude Enterprise Flash S.a.r.l., a private limited liability company (societe a responsabilite limitee) incorporated and existing under the laws of the Grand Duchy of Luxembourg, having its registered office at 208, Val des Bons Malades, L-2121 Luxembourg, Grand Duchy of Luxembourg ("**LEFS**") ("**Assignor**") and FIO Semiconductor Technologies, LLC, having a place of business at 1717 McKinney Ave. Suite 1050, Dallas, TX 75202 ("**Assignee**").

For good and valuable consideration, the receipt of which is hereby acknowledged, the parties agree as follows:

1. Assignor, on behalf of itself and its Affiliates, hereby irrevocably sells, assigns, transfers and conveys to Assignee and its successors, all right, title and interest that exist today and may exist in the future in and to all of the following:

(A) all provisional patent applications, patent applications and patents listed below (the "**Listed Patents**");

(B) Rights to apply in any or all countries of the world for any of the Transferred Patents and the inventions, invention disclosures and discoveries therein;

(C) To the extent they exist, any and all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Transferred Patents, including all causes of action and other enforcement rights for: (i) damages; (ii) injunctive relief; and (iii) any other remedies of any kind (in each of the cases in clauses "(i)", "(ii)", and "(iii)" of this Section 1(C) for past, current, and future infringement), and

(D) All rights to collect royalties and other payments under or on account of each of the Assigned Patents and items in any of the foregoing Sections 1(A) through and including 1(C) above; provided, however, that the Patent Rights do not include, and Assignor and its Affiliates retain, all rights to collect royalties, license fees, and other amounts under license agreements or other contracts to which Assignor or any of its Affiliates is a party at any time on or after the Effective Date, even if such amounts are attributable to the Transferred Patents.

**Listed US Patents**

Application No.	Country	Filed Date	Patent No.	Granted Date
12/098427	UNITED STATES	05/04/2008	8316277	20/11/2012

Application No.	Country	Filed Date	Patent No.	Granted Date
	STATES			
13/784705	UNITED STATES	04/03/2013	9495241	15/11/2016
13/830652	UNITED STATES	14/03/2013	9116823	25/08/2015
12/098431	UNITED STATES	06/04/2008	8161353	17/04/2012
13/925410	UNITED STATES	24/06/2013	10019353	10/07/2018
12/098433	UNITED STATES	06/04/2008	8151082	03/04/2012
12/098434	UNITED STATES	06/04/2008	8195912	05/06/2012
12/273532	UNITED STATES	18/11/2008	8074011	06/12/2011
12/711113	UNITED STATES	23/02/2010	8935302	13/01/2015
13/442638	UNITED STATES	09/04/2012	8392798	05/03/2013
13/461628	UNITED STATES	01/05/2012	8482993	09/07/2013
13/566471	UNITED STATES	03/08/2012	8762658	24/06/2014
13/600077	UNITED STATES	30/08/2012	8533569	10/09/2013
13/607486	UNITED STATES	07/09/2012	8533406	10/09/2013
12/981394	UNITED STATES	29/12/2010	8189407	29/05/2012
13/730602	UNITED STATES	28/12/2012	9454492	27/09/2016
14/045605	UNITED STATES	03/10/2013		
14/309751	UNITED STATES	19/06/2014	9632727	25/04/2017
14/569021	UNITED STATES	12/12/2014		
15/228893	UNITED STATES	04/08/2016		
15/253334	UNITED STATES	31/08/2016		
15/266486	UNITED STATES	15/09/2016		
15/284019	UNITED STATES	03/10/2016		
15/460126	UNITED STATES	15/03/2017		
15/402936	UNITED STATES	10/01/2017		
16/030232	UNITED STATES	09/07/2018		

Application No.	Country	Filed Date	Patent No.	Granted Date
	STATES			
13/296834	UNITED STATES	15/11/2011		
14/807526	UNITED STATES	23/07/2015		
11/952091	UNITED STATES	06/12/2007	8266496	11/09/2012
11/952095	UNITED STATES	06/12/2007	9575902	21/02/2017
11/952101	UNITED STATES	06/12/2007	8402201	19/03/2013
11/952109	UNITED STATES	06/12/2007	8296337	23/10/2012
11/952113	UNITED STATES	06/12/2007	8261005	04/09/2012
14/480599	UNITED STATES	08/09/2014	9304853	05/04/2016
15/089957	UNITED STATES	04/04/2016	9684560	20/06/2017
15/596939	UNITED STATES	16/05/2017		
13/321484	UNITED STATES	18/05/2010	8832528	09/09/2014
12/468041	UNITED STATES	18/05/2009	8281227	02/10/2012
16/177688	UNITED STATES	01/11/2018		

#### Listed International Patents

Application No.	Country	Filed Date	Patent No.	Granted Date	Status (e.g. "Maintained")
201210539998.3	CHINA	06/12/2007	ZL201210539998.3	02/01/2018	Maintained
200780050970.0	CHINA	06/12/2007	ZL200780050970.0	13/03/2013	Maintained
200980121161.3	CHINA	06/04/2009	ZL200980121161.3	07/01/2015	Maintained
09731243.3	GERMANY	06/04/2009	602009034340.8	21/10/2015	Maintained
09731243.3	FRANCE	06/04/2009	2271978	21/10/2015	Maintained
09731243.3	UK	06/04/2009	2271978	21/10/2015	Maintained
3892/CHENP/2009	INDIA	06/12/2007			Pending
2009-540489	JAPAN	06/12/2007	5611597	12/09/2014	Maintained
2011-504112	JAPAN	06/04/2009	5431453	13/12/2013	Maintained

10-2015-7037046	SOUTH KOREA	06/04/2009	10-1804034	27/11/2017	Maintained
10-2010-7024894	SOUTH KOREA	06/04/2009	10-1628675	02/06/2016	Maintained
2,672,035	CANADA	06/12/2007			Abandoned
09731243.3	EPO	06/04/2009	2271978	21/10/2015	Validated
PCT/US2009/039673	WIPO	06/04/2009			National Phase
PCT/US2010/035320	WIPO	18/05/2010			National Phase

2. 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 Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

3. Assignor hereby authorizes and requests the attorney or agent of record to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the respective patent office or governmental agency in each jurisdiction for recordation or other official recognition.

4. This Assignment, the rights and obligations of the parties under this Assignment, and any claim or controversy directly or indirectly based upon, arising out of or related to, this Assignment or the transactions contemplated by this Assignment (whether based upon contract, tort or any other theory), including all matters of construction, validity and performance, shall be governed by and construed in accordance with the laws of the State of Delaware, without regard to any conflict of law provisions that would require the application of the law of any other jurisdiction.

**5. This Assignment shall be binding upon and inure to the benefit of the parties and their respective successors and permitted assigns.**

6. Any rule of construction to the effect that ambiguities are to be resolved against the drafting party will not be applied in the construction or interpretation of this Assignment. The words "include", "including" and variations thereof will be deemed to be followed by the words "without limitation". The use of "or" will not be deemed to be exclusive. This Assignment may be executed in counterparts, each of which when executed will be deemed to be an original but all of which taken together will constitute one and the same agreement.

7. LEFS hereby agree to execute without further consideration any further documents and instruments which may be lawful and proper in the prosecution of the Transferred Patents, and which may be desirable or necessary to secure to Assignee its rights, title and interest in and to said Patents.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Luxembourg

On the date of 26 November 2018

LEFS

By: [Signature]

Name: Sébastien Pauchot

Title: Manager B

**FIO Semiconductor Technologies, LLC**

By: [Signature]

Name: James W. Ribman

Title: President

The undersigned Maître Martine DECKER, notary residing in Hesperange (GD of Luxembourg), hereby certifies and attests the authenticity of the signature of Mr Sébastien PAUCHOT, Manager B of Longitude Enterprise Flash S.à r.l., with registered office at 208, Val des Bons maladies, L-2121 Luxembourg (R.C.S. Luxembourg B188893).

Hesperange, 27 November 2018.

[Signature] 