

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6615301

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	AZASTRA OPTO INC.	07/28/2017
RECEIVING PARTY DATA		
Name:	AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE. LTD.	
Street Address:	1 YISHUN AVENUE 7	
City:	SINGAPORE	
State/Country:	SINGAPORE	
Postal Code:	768923	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16504769
CORRESPONDENCE DATA		
Fax Number:	(714)830-0700	
<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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Correspondent Name:	MORGAN, LEWIS & BOCKIUS LLP	
Address Line 1:	600 ANTON BOULEVARD	
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ATTORNEY DOCKET NUMBER:	122293-7290	
NAME OF SUBMITTER:	MICHAEL G. DREZNES, REG. NO. 59,965	
SIGNATURE:	/Michael G. Dreznes/	
DATE SIGNED:	03/22/2021	
Total Attachments: 5		
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PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), is made and entered into as of July 28, 2017 ("Effective Date"), by and between AZASTRA OPTO INC., a Canadian corporation ("Assignor"), and AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE. LTD., a limited company incorporated under the laws of Singapore ("Assignee").

RECITALS

A. **WHEREAS**, Assignor and Broadcom Canada ULC ("Buyer") have entered into that certain Asset Purchase Agreement, dated as of the date hereof (the "Asset Purchase Agreement"), pursuant to which Assignor has agreed to irrevocably sell, transfer, assign, convey and deliver to Buyer or its designees, and Buyer has agreed to irrevocably purchase, acquire and accept from Assignor, all right, title and interest in, to and under the Purchased Assets (as defined in the Asset Purchase Agreement), including the Assigned Patents (as set forth below).

B. **WHEREAS**, Assignee has been designated as a Buyer Designee (as defined in the Asset Purchase Agreement) for the purpose of acquiring the intellectual property of Assignor under the Asset Purchase Agreement; and

C. **WHEREAS**, pursuant to the Asset Purchase Agreement and related agreements Assignor has assigned and agreed to assign to Assignee certain patents and patent applications, including the Assigned Patents.

NOW, THEREFORE, for good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby transfer, assign, and convey to Assignee, and Assignee hereby accepts such transfer, assignment, and conveyance of, all right, title, and interest throughout the world, that may exist today and in the future, in, to and under all of the following (collectively, the "Assigned Patents");

(a) the Patents (as defined in the Asset Purchase Agreement) set forth on Schedule 1 attached hereto and incorporated herein by this reference ("Listed Patents");

(b) all Patents issuing on any applications included in the Listed Patents;

(c) all remedies, claims, causes of action and enforcement rights of any kind, whether known or unknown, under, pursuant to, arising from, or related to any of the above, including all rights to bring actions for past, current or future infringement, misappropriation or other violation thereof and to seek, settle, collect and/or retain, as applicable, injunctive relief, damages, costs, proceeds and other remedies in connection with any such actions, and

(d) all benefits, privileges, powers and rights related to any of the above, including all rights to (i) royalties, income and other payments due thereunder, (ii) apply for, file, register, maintain, extend and renew in any or all countries of the world intellectual property rights of any kind under, pursuant to, arising from, or related to any of the above, and (iii) transfer and grant licenses, releases, and other rights with respect to any of the above.

In addition, if any Listed Patent is subject to a terminal disclaimer under 37 C.F.R. § 1.321, or similar provision under applicable law in the jurisdiction of registration, then all Patents subject to the terminal disclaimer are also Assigned Patents, whether or not they are otherwise covered by the above.

Assignor shall execute and deliver any instruments, and otherwise reasonably cooperate with Assignee, as may be reasonably necessary or desirable for effecting and recording the transfer, assignment, and conveyance to, and to fully vest in, Assignee and its successors and assigns all Assigned Patents, including the execution, acknowledgment and recordation of any instruments with respect to any jurisdiction.

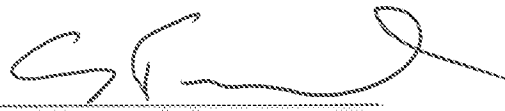
Assignor hereby authorizes and requests the Canadian Intellectual Property Office, the Commissioner of Patents and Trademarks and any other patent office, as applicable, to issue and register any and all Patents pertaining to any of the items assigned hereunder in the name of Assignee.

The assignments and rights pursuant hereto will inure to the benefit of Assignee and its successors, assigns and other legal representatives and is binding upon Assignor and its successors, assigns and other legal representatives.

[SIGNATURES PAGE FOLLOWS]

IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be executed by its duly authorized representative on the date first written above.

ASSIGNOR
AZASTRA OPTO INC.

By: 
Name: Simon Fafard
Title: President

ASSIGNEE
AVAGO TECHNOLOGIES GENERAL IP
(SINGAPORE) PTE. LTD.


By: _____
Name: Thomas H. Krause, Jr.
Title: Chief Financial Officer

IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be executed by its duly authorized representative on the date first written above.

ASSIGNOR
AZASTRA OPTO INC.

By: _____
Name:
Title:

ASSIGNEE
AVAGO TECHNOLOGIES GENERAL IP
(SINGAPORE) PTE. LTD.

By:  _____
Name: Thomas H. Krause, Jr.
Title: Chief Financial Officer

SCHEDULE 1 TO PATENT ASSIGNMENT

LISTED PATENTS

Patent	Jurisdiction	Filing Date	Application No.	Status
9,673,343 Transducer to convert optical energy to electrical energy	United States	Dec. 9, 2014	14/565,141	Issued June 6, 2017
Transducer to convert optical energy to electrical energy	United States	May 31, 2017	15/609,771	
Transducer to convert optical energy to electrical energy	International		WIPO Application No. CA2014/051191	Abandoned (2014)