

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM569222

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Hercules Capital, Inc.		03/24/2020	Corporation: MARYLAND
RECEIVING PARTY DATA			
Name:	Elenion Technologies Corporation		
Street Address:	171 Madison Avenue		
Internal Address:	Suite 1100		
City:	New York		
State/Country:	NEW YORK		
Postal Code:	10016		
Entity Type:	Corporation: DELAWARE		
Name:	Elenion Technologies, LLC		
Street Address:	171 Madison Avenue		
Internal Address:	Suite 1100		
City:	New York		
State/Country:	NEW YORK		
Postal Code:	10016		
Entity Type:	Limited Liability Company: DELAWARE		
PROPERTY NUMBERS Total: 3			
Property Type	Number	Word Mark	
Serial Number:	87531798	CSTAR	
Registration Number:	5541761	E	
Registration Number:	5541649	ELENION	
CORRESPONDENCE DATA			
Fax Number:	2127352000		
<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>			
Phone:	2127353000		
Email:	jselle@skadden.com		
Correspondent Name:	Skadden, Arps, Slate, Meagher & Flom LLP		
Address Line 1:	One Manhattan West		
Address Line 2:	Justin C. Selle		

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Address Line 4:	New York, NEW YORK 10001
ATTORNEY DOCKET NUMBER:	090810/33
NAME OF SUBMITTER:	William J. Casey
SIGNATURE:	/William J. Casey/
DATE SIGNED:	03/27/2020
Total Attachments: 9 source=Elenion - Payoff Letter (Execution Copy)#page1.tif source=Elenion - Payoff Letter (Execution Copy)#page2.tif source=Elenion - Payoff Letter (Execution Copy)#page3.tif source=Elenion - Payoff Letter (Execution Copy)#page4.tif source=Elenion - Payoff Letter (Execution Copy)#page5.tif source=Elenion - Payoff Letter (Execution Copy)#page6.tif source=Elenion - Payoff Letter (Execution Copy)#page7.tif source=Elenion - Payoff Letter (Execution Copy)#page8.tif source=Elenion - Payoff Letter (Execution Copy)#page9.tif	

RELEASE OF SECURITY INTEREST

This Release of Security Interest is executed as of March __, 2020 by HERCULES CAPITAL, INC., a Maryland corporation (“Assignor”) for the benefit of ELENION TECHNOLOGIES CORPORATION, a Delaware corporation (“Parent”) and ELENION TECHNOLOGIES, LLC, a Delaware limited liability company (“Elenion” and together with Parent, the “Assignees”).

RECITALS

A. WHEREAS, Assignees granted and pledged a security interest in all of Assignees’ Intellectual Property then or thereafter existing, created, owned, acquired or held (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto) and all proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of the Intellectual Property (collectively, “IP Collateral”) pursuant to that certain Intellectual Property Security Agreement, dated as of February 8, 2019 (the “IP Security Agreement”).

B. WHEREAS, pursuant to the IP Security Agreement, such security interest with respect to the patents set forth on Exhibit B was recorded with the U.S. Patent and Trademark Office (“USPTO”) on February 8, 2019, at Reel/Frame 048289/0060.

C. WHEREAS, pursuant to the IP Security Agreement, such security interest with respect to the trademarks set forth on Exhibit C was recorded with the USPTO on February 8, 2019, at Reel/Frame 6556/0073.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, Assignor hereby agrees as follows:

AGREEMENT

Assignor hereby releases its security interest in all of the IP Collateral (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto). If and to the extent that Assignor has acquired any right, title or interest in, to or under the IP Collateral, Assignor hereby re-transfers, re-conveys and re-assigns all such right, title or interest to Assignees.

Address:

Legal Department
400 Hamilton Avenue, Suite 310
Palo Alto, CA 94301
Attn: Legal Department

ASSIGNOR:

HERCULES CAPITAL, INC.

By: 

Print Name: Jennifer Choe

Title: Associate General Counsel

EXHIBIT A
COPYRIGHTS

NONE.

EXHIBIT B

PATENTS

Country	Serial No.	Filing Date	Title	Issued #	Issue Date
US	14/060,058	2013/10/22	ULTRA-RESPONSIVE PHASE SHIFTERS FOR DEPLETION MODE SILICON MODULATORS	<u>9,158,138</u>	2015/10/13
US	14/840,409	2015/08/31	ULTRA-RESPONSIVE PHASE SHIFTERS FOR DEPLETION MODE SILICON MODULATORS	<u>9,638,942</u>	2017/05/02
US	15/481,669	2017/04/07	ULTRA-RESPONSIVE PHASE SHIFTERS FOR DEPLETION MODE SILICON MODULATORS	<u>9,910,302</u>	2018/03/06
US	15/876,856	2018/01/22	ULTRA-RESPONSIVE PHASE SHIFTERS FOR DEPLETION MODE SILICON MODULATORS	<u>10,061,686</u>	2018/09/25
US	15/876,623	2018/01/22	OPTICAL MODULATOR	<u>10,120,212</u>	2018/11/06
US	14/514,771	2014/10/15	OPERATION AND STABILIZATION OF MOD-MUX WDM TRANSMITTERS BASED ON SILICON MICRORINGS	<u>9,825,319</u>	2016/08/23
US	15/217,152	2018/07/22	OPERATION AND STABILIZATION OF MOD-MUX WDM TRANSMITTERS BASED ON SILICON MICRORINGS	<u>9,941,990</u>	2018/04/18
US	15/916,557	2018/03/09	OPERATION AND STABILIZATION OF MOD-MUX WDM TRANSMITTERS BASED ON SILICON MICRORINGS	-	
US	14/618,989	2015/02/10	DISTRIBUTED TRAVELING-WAVE MACH-ZEHNDER MODULATOR DRIVER	9,599,779	2017/01/31
US	15/234,399	2016/06/11	DISTRIBUTED TRAVELING-WAVE MACH-ZEHNDER MODULATOR DRIVER	9,853,738	2017/12/26
US	15/830,351	2017/12/04	DISTRIBUTED TRAVELING-WAVE MACH-ZEHNDER MODULATOR DRIVER	10,084,545	2018/09/25
US	16/188,857	2018/06/22	DISTRIBUTED TRAVELING-WAVE MACH-ZEHNDER MODULATOR DRIVER		
US	16/220,203	2018/12/14	DISTRIBUTED TRAVELING-WAVE MACH-ZEHNDER MODULATOR DRIVER		
US	14/644,122	2015/03/10	GERMANIUM METAL-CONTACT-FREE NEAR-IR PHOTODETECTOR	9,837,759	2016/09/06
US	15/231,822	2016/08/09	GERMANIUM METAL-CONTACT-FREE NEAR-IR PHOTODETECTOR	9,553,222	2017/01/24
US	15/377,294	2016/12/13	GERMANIUM METAL-CONTACT-FREE NEAR-IR PHOTODETECTOR	9,812,588	2017/11/07
US	15/724,458	2017/10/04	GERMANIUM METAL-CONTACT-FREE NEAR-IR PHOTODETECTOR	10,043,927	2018/08/07
US	16/030,134	2018/07/09	GERMANIUM METAL-CONTACT-FREE NEAR-IR PHOTODETECTOR		
US	16/285,580	2018/11/30	GERMANIUM METAL-CONTACT-FREE NEAR-IR PHOTODETECTOR		
US	14/879,149	2015/10/09	OPTICAL MODULATOR HAVING A PLURALITY OF MODULATOR SEGMENTS	<u>9,519,162</u>	2016/12/13
US	15/347,202	2016/11/09	OPTICAL MODULATOR HAVING A PLURALITY OF MODULATOR SEGMENTS	<u>9,874,767</u>	2018/01/23
US	15/864,188	2018/01/08	OPTICAL MODULATOR HAVING A PLURALITY OF MODULATOR SEGMENTS	-	
US	14/924,172	2015/10/27	PHOTONIC INTERFACE FOR ELECTRONIC CIRCUIT	9,500,821	2016/11/22
US	15/296,709	2016/10/18	PHOTONIC INTERFACE FOR ELECTRONIC CIRCUIT	9,989,715	2018/06/05
US	15/981,518	2018/05/16	PHOTONIC INTERFACE FOR ELECTRONIC CIRCUIT		
US	14/931,076	2015/11/03	PHOTONIC INTEGRATED CIRCUIT INCORPORATING A BANDGAP TEMPERATURE SENSOR	9,513,437	2016/12/06
US	16/211,533	2018/12/06	PHOTONIC INTEGRATED CIRCUIT INCORPORATING A BANDGAP TEMPERATURE SENSOR		
US	14/549,130	2014/11/20	Sagnac Loop Mirror Based Laser Cavity on Silicon Photonics Platform	<u>9,959,559</u>	2015/06/16
US	14/634,699	2015/02/27	Quantum dot SOA-silicon external cavity multi-wavelength laser	9,850,379	2016/09/20





Country	Serial No.	Filing Date	Title	Issued #	Issue Date
US	15/237,833	2016/08/16	Quantum dot SOA-silicon external cavity multi-wavelength laser	9,831,635	2017/11/28
US	15/892,812	2017/11/03	Quantum dot SOA-silicon external cavity multi-wavelength laser		
US	15/811,937	2017/11/14	SEMICONDUCTOR LASER		
US	14/093,263	2013/11/29	A COMPACT AND LOW LOSS Y-JUNCTION FOR SUBMICRON SILICON WAVEGUIDE	9,217,829	2015/12/22
US	15/048,107	2016/02/19	INTEGRATED POLARIZATION SPLITTER AND ROTATOR	9,874,896	2018/01/23
US	15/840,500	2017/12/13	INTEGRATED POLARIZATION SPLITTER AND ROTATOR		
US	14/818,060	2015/08/04	LATERAL GE/SI AVALANCHE PHOTODETECTOR	9,755,096	2017/09/05
US	15/664,856	2017/07/31	LATERAL GE/SI AVALANCHE PHOTODETECTOR	10,134,939	2018/11/20
US	16/168,248	2018/10/23	LATERAL GE/SI AVALANCHE PHOTODETECTOR	-	
US	15/659,220	2017/07/25	ULTRA-COMPACT INTEGRATED 90 DEGREE OPTICAL HYBRID	10,126,498	2018/11/13
US	16/139,956	2018/10/15	OPTICAL HYBRID		
US	14/754,105	2015/06/29	INTEGRATED SILICON-ON-INSULATOR BENT TAPER AND POLARIZATION ROTATOR	9,806,293	2017/03/28
US	15/429,677	2017/02/10	INTEGRATED SILICON-ON-INSULATOR BENT TAPER AND POLARIZATION ROTATOR	9,841,561	2017/12/12
US	15/812,195	2017/11/14	INTEGRATED SILICON-ON-INSULATOR BENT TAPER AND POLARIZATION ROTATOR		
US	14/988,829	2016/01/06	BENT TAPER AND POLARIZATION ROTATOR	9,829,533	2017/11/28
US	15/812,441	2017/11/14	BENT TAPER AND POLARIZATION ROTATOR		
US	14/754,386	2015/06/29	AN OPTIMIZED 2x2 3dB MULTI-MODE INTERFERENCE COUPLER	9,557,886	2017/01/31
US	14/989,850	2016/01/07	A MULTI-MODE INTERFERENCE COUPLER	9,739,947	2017/08/22
US	15/379,696	2015/12/15	A MULTI-MODE INTERFERENCE COUPLER	9,798,086	2017/10/24
US	15/851,454	2017/07/17	A MULTI-MODE INTERFERENCE COUPLER	10,048,443	2018/08/14
US	15/788,578	2017/09/19	Multi-mode interface coupler	10,012,795	2018/07/03
US	16/034,796	2018/07/13	Multi-mode interface coupler		
US	14/860,537	2015/09/21	TEST SYSTEMS AND METHODS FOR CHIPS IN WAFER SCALE PHOTONIC SYSTEMS		
US	14/830,046	2015/08/19	BACK END OF LINE PROCESS INTEGRATED OPTICAL DEVICE FABRICATION	9,851,506	2017/12/26
US	15/826,897	2017/11/30	BACK END OF LINE PROCESS INTEGRATED OPTICAL DEVICE FABRICATION	10,101,533	2018/10/16
US	16/134,086	2018/09/18	BACK END OF LINE PROCESS INTEGRATED OPTICAL DEVICE FABRICATION		
US	14/788,608	2015/06/30	LOW LOSS HIGH EXTINCTION RATIO ON-CHIP POLARIZER	9,470,844	2016/10/18
US	14/944,562	2015/11/16	INTEGRATED ON-CHIP POLARIZER	9,746,609	2017/08/29
US	15/659,048	2017/07/25	INTEGRATED ON-CHIP POLARIZER		
US	14/794,889	2015/07/09	TRANSMITTER OPTICAL SIGNAL TO NOISE RATIO IMPROVEMENT THROUGH RECEIVER AMPLIFICATION IN SINGLE LASER COHERENT SYSTEMS	9,571,200	2017/02/14
US	15/405,516	2017/01/13	TRANSMITTER OPTICAL SIGNAL TO NOISE RATIO IMPROVEMENT THROUGH RECEIVER AMPLIFICATION IN SINGLE LASER COHERENT SYSTEMS	10,135,536	2018/11/20

Country	Serial No.	Filing Date	Title	Issued #	Issue Date
US	16/170,850	2018/10/25	TRANSMITTER OPTICAL SIGNAL TO NOISE RATIO IMPROVEMENT THROUGH RECEIVER AMPLIFICATION IN SINGLE LASER COHERENT SYSTEMS		
US	14/798,780	2015/07/14	Edge Coupler	9,588,298	2017/03/07
US	15/418,246	2017/01/27	Edge Coupler	9,766,808	2017/09/19
US	15/685,765	2017/08/24	Edge Coupler	-	
US	16/189,087	2018/11/13	Edge Coupler	-	
US	14/931,796	2015/11/03	Optical delay lines for electrical skew precompensation	10,110,318	2018/10/23
US	16/135,850	2018/09/19	Optical delay lines for electrical skew precompensation		
US	15/687,278	2018/03/31	OPTICALLY ALIGNED HYBRID SEMICONDUCTOR DEVICE AND METHOD	9,817,197	2017/11/14
US	15/783,263	2017/10/13	OPTICALLY ALIGNED HYBRID SEMICONDUCTOR DEVICE AND METHOD		
US	14/858,321	2015/09/28	OPTICAL LINK ARCHITECTURE BASED ON WIRELINE EQUALIZATION TECHNIQUES	9,654,225	2017/05/16
US	15/488,199	2017/04/14	OPTICAL LINK ARCHITECTURE BASED ON WIRELINE EQUALIZATION TECHNIQUES	9,941,976	2018/04/10
US	15/916,448	2018/03/08	OPTICAL LINK ARCHITECTURE BASED ON WIRELINE EQUALIZATION TECHNIQUES		
US	14/864,760	2015/09/24	PHOTODETECTOR WITH INTEGRATED TEMPERATURE CONTROL ELEMENT	9,871,153	2018/01/16
US	15/840,826	2017/12/13	PHOTODETECTOR WITH INTEGRATED TEMPERATURE CONTROL ELEMENT FORMED AT LEAST IN PART IN A SEMICONDUCTOR LAYER		
US	14/856,909	2015/09/17	COHERENT OPTICAL PAIRED CHANNEL TRANSCIVER AND SYSTEM	9,596,033	2017/03/14
US	15/420,645	2017/01/31	COHERENT OPTICAL PAIRED CHANNEL TRANSCIVER AND SYSTEM	9,928,247	2018/03/20
US	14/945,529	2015/11/19	OPTICAL DUAL RESONATOR MODULATION SYSTEM AND METHOD, AND OPTICAL DUAL RESONATOR MODULATOR THEREFOR	9,787,485	2017/10/10
US	15/704,895	2017/09/14	OPTICAL DUAL RESONATOR MODULATION SYSTEM AND METHOD, AND OPTICAL DUAL RESONATOR MODULATOR THEREFOR	10,044,443	2018/08/07
US	16/033,369	2018/07/12	OPTICAL DUAL RESONATOR MODULATION SYSTEM AND METHOD, AND OPTICAL DUAL RESONATOR MODULATOR THEREFOR		
US	15/381,388	2016/12/16	BIAS CONTROL OF OPTICAL MODULATORS		
US	15/427,185	2017/02/08	METHODS, TEST STRUCTURES, AND TEST SYSTEMS FOR DETERMINING A SURFACE CHARACTERISTIC OF A CHIP FACET		
US	14/989,436	2016/01/06	Integrated On-Chip Polarizer	9,810,840	2017/11/07
US	15/725,450	2017/10/05	Integrated On-Chip Polarizer		
US	16/126,864	2018/09/10	Integrated On-Chip Polarizer		
US	14/963,842	2015/12/09	SHIELDED PHOTONIC INTEGRATED CIRCUIT	9,739,938	2017/08/22
US	15/639,880	2017/07/26	SHIELDED PHOTONIC INTEGRATED CIRCUIT		
US	15/875,559	2018/01/19	PHOTONIC CHIP WITH AN INPUT WAVELENGTH FILTER		
US	14/993,460	2016/01/12	Optical Fiber Alignment Device	9,638,859	2017/05/02
US	15/467,061	2017/03/31	Optical Fiber Alignment Device	10,025,045	2018/07/17
US	16/013,666	2018/06/20	Optical Fiber Alignment Device		

Country	Serial No.	Filing Date	Title	Issued #	Issue Date
US	15/357,392	2015/11/21	PHASE DEMODULATION METHOD AND CIRCUIT		
US	16/201,440	2018/11/27	PHASE DEMODULATION METHOD AND CIRCUIT		
US	14/876,933	2015/10/07	Heat Sink for A Semiconductor chip device	9,543,226	2017/01/10
US	15/370,307	2015/12/06	Heat Sink for A Semiconductor chip device	9,859,186	2018/01/02
US	15/826,165	2017/11/29	Heat Sink for A Semiconductor chip device		
US	15/209,939	2016/07/07	COHERENT OPTICAL RECEIVER TESTING	9,806,806	2017/10/31
US	15/724,365	2017/10/04	COHERENT OPTICAL RECEIVER TESTING		
US	15/209,957	2016/07/07	COHERENT OPTICAL RECEIVER TESTING	9,806,822	2017/10/31
US	15/724,382	2017/10/04	COHERENT OPTICAL RECEIVER TESTING	10,097,279	2018/10/09
US	16/120,779	2018/09/04	COHERENT OPTICAL RECEIVER TESTING		
US	15/423,843	2017/02/03	Mode Matching Y Junction	9,946,020	2018/04/17
US	15/928,594	2018/03/22	MODE MATCHED Y-JUNCTION		
US	15/481,971	2017/04/07	CONTROLLING BACK SCATTERING IN OPTICAL WAVEGUIDE SYSTEMS	10,133,014	2018/11/20
US	16/171,917	2018/10/26	CONTROLLING BACK SCATTERING IN OPTICAL WAVEGUIDE SYSTEMS		
US	15/459,066	2017/03/15	Bias Control of Optical Modulators		
US	15/810,671	2017/11/13	Bias Control of Optical Modulators		
US	16/037,871	2018/07/17	Chip Identification System		
US	15/602,657	2017/05/23	OPTICAL WAVEGUIDE MODULATOR		
US	16/202,318	2018/11/28	OPTICAL WAVEGUIDE MODULATOR		
US	15/821,149	2017/06/13	Waveguide etch method for multi-layer optical devices		
US	15/833,314	2017/12/06	DC Current cancellation scheme for an optical receiver		
US	15/927,537	2018/03/21	Automatic Gain control Loop		
US	16/200,852	2018/11/27	Automatic Gain control Loop		
US	15/841,789	2017/12/14	Coherent Optical Receiver		
US	15/903,835	2018/02/23	OPTICAL AMPLIFIER		
US	15/975,375	2018/05/09	Tunable Lasers		
US	15/961,254	2018/04/24	OPTICAL WAVEGUIDE MODULATOR		
US	16/126,732	2018/09/10	RECONFIGURABLE OPTICAL RECEIVERS WITH EXTENDED DYNAMIC RANGE		
US	16/043,436	2018/07/24	On-Wafer Testing of Photonic Chips		
US	16/126,797	2018/09/10	RECONFIGURABLE OPTICAL RECEIVERS FOR EXTENDED MAXIMUM INPUT SIGNALS		
US	16/135,914	2018/09/19	Optical Receivers with DC Cancellation Bias Circuit and Embedded Offset Cancellation		
US	16/173,499	2018/10/29	Broadband driver with extended linear output voltage		
US	15/658,795	2017/07/25	MULTI-MODE INTERFEROMETER COUPLER WITH CORE STRIPS	10,031,291	2018/07/24
US	16/018,952	2018/06/26	MULTI-MODE INTERFEROMETER COUPLER WITH CORE STRIPS		
US	15/840,223	2017/12/13	METHOD AND CIRCUIT FOR ENDLESS PHASE AND POLARIZATION CONTROL		
US	15/855,242	27-Dec-17	WAVELENGTH LOCKER		

Country	Serial No.	Filing Date	Title	Issued #	Issue Date
US	15/855,328	2017/12/27	EXTERNAL CAVITY LASER		
US	15/864,714	2018/01/08	REDUCING BACK REFLECTION IN A PHOTODIODE		
US	16/816,158	2018/06/22	OPTICAL DOMAIN EQUALIZATION FOR COHERENT OPTICAL RECEIVERS		
US	16/151,079	2018/10/03	FIBER HOLDER		
US	16/196,947	2018/11/20	Lateral Moscap Phase adjuster		
US	15/446,375	2017/03/01	A COMPACT AND LOW LOSS Y-JUNCTION FOR SUBMICRON SILICON WAVEGUIDE	9,851,503	2017/12/26
US	15/825,266	2017/11/29	A COMPACT AND LOW LOSS Y-JUNCTION FOR SUBMICRON SILICON WAVEGUIDE		
US	16/214,365	2018/12/10	A COMPACT AND LOW LOSS Y-JUNCTION FOR SUBMICRON SILICON WAVEGUIDE		
US	16/111,992	2018/08/24	ULTRA-RESPONSIVE PHASE SHIFTERS FOR DEPLETION MODE SILICON MODULATORS		

EXHIBIT C
TRADEMARKS

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
CSTAR (Canada)	1848086	07/18/2017
CSTAR (China)	25808982 (Under Appeal)	08/11/2017
CSTAR (Europe)	017004887	12/05/2017
CSTAR (U.S.)	87531798 (Allowed)	07/18/2017
E DESIGN (Canada)	1813131 (Allowed)	12/07/2016
		
E DESIGN (China)	23971264	05/14/2018
		
E DESIGN (Europe)	016876223	08/19/2017
		
E DESIGN (U.S.)	87260014 (Reg. No. 5541761)	08/14/2018
		
ELENION (Canada)	1806128	10/24/2016
ELENION (China)	23205233	03/20/2017
ELENION (Europe)	016462624	03/14/2017
ELENION (U.S.)	87196054 (Reg. No. 5541649)	08/14/2018