

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4432453

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	LIEN

CONVEYING PARTY DATA

Name	Execution Date
SILICOR MATERIALS, INC.	05/16/2017

RECEIVING PARTY DATA

Name:	SCHWEGMAN, LUNDBERG & WOESSNER, P.A.
Street Address:	121 SOUTH EIGHTH STREET
Internal Address:	1600 TCF TOWER
City:	MINNEAPOLIS
State/Country:	MINNESOTA
Postal Code:	55402

PROPERTY NUMBERS Total: 38

Property Type	Number
Application Number:	12288857
Application Number:	12784576
Application Number:	12530993
Application Number:	12670263
Patent Number:	7959730
Patent Number:	8273176
Patent Number:	8801855
Patent Number:	8562932
Patent Number:	8580218
Patent Number:	8216539
Patent Number:	8540958
Patent Number:	8562740
Application Number:	14058832
Application Number:	14409430
Application Number:	14409433
Application Number:	14409435
Application Number:	14409534
Application Number:	14409536
Application Number:	14409538

PATENT

Property Type	Number
Application Number:	14409545
Application Number:	14409546
Application Number:	15351290
Application Number:	14424890
Patent Number:	8968467
Patent Number:	7651566
Patent Number:	7955433
Patent Number:	8882912
Patent Number:	8008107
Patent Number:	8547121
Patent Number:	7887633
Patent Number:	9166071
Patent Number:	8758507
Patent Number:	9352389
Application Number:	15166039
Application Number:	14374382
Patent Number:	9617618
Application Number:	14776536
Patent Number:	9617160

CORRESPONDENCE DATA

Fax Number: (612)642-8407
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.
Phone: 612-672-8207
Email: debra.dix@maslon.com
Correspondent Name: AMY SWEDBERG
Address Line 1: 90 SOUTH 7TH STREET
Address Line 2: MASLON LLP - SUITE 3300
Address Line 4: MINNEAPOLIS, MINNESOTA 55402

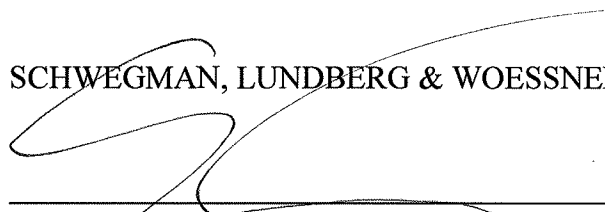
ATTORNEY DOCKET NUMBER:	2010-0164
NAME OF SUBMITTER:	STEVEN W. LUNDBERG
SIGNATURE:	/Steven W. Lundberg/
DATE SIGNED:	05/26/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3
source=Silicor Materials executed lien#page1.tif
source=Silicor Materials executed lien#page2.tif
source=Silicor Materials executed lien#page3.tif

NOTICE OF ATTORNEYS' LIEN IN PATENTS

NOTICE IS HEREBY GIVEN that the law firm of Schwegman, Lundberg & Woessner, P.A. ("Law Firm"), with its principal place of business at 1600 TCF Tower, 121 South Eighth Street, Minneapolis, Minnesota, duly authorized to practice as such in the State of Minnesota, claims and holds a lien in and to all of the patents listed on Exhibit A, and all of the applications and registrations associated therewith, together with all proceeds thereof, of Silicor Materials, Inc., a Delaware corporation ("Client"), whose registered address is Attn: Cogency Global, Inc., its registered agent, 850 New Burton Road Suite 201, Dover, DE 19904 and whose office address is 985 Almanor Avenue, Sunnyvale CA 94085. Said lien is claimed for legal services rendered by Law Firm to Client for representation of Client in proceedings involving and affecting the ownership and title to the property upon which this lien is claimed for the reasonable and agreed upon value of \$4,862,386.52 of which the sum of \$208,964.79 remains unpaid.

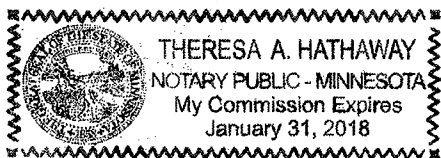
SCHWEGMAN, LUNDBERG & WOESSNER, P.A.

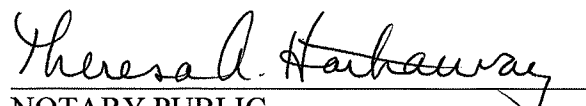


Steven W. Lundberg
Shareholder

STATE OF MINNESOTA)
) ss.
COUNTY OF HENNEPIN)

On this 16th day of May, 2017, before me personally came Steven W. Lundberg, who being duly sworn did depose and say that he is a shareholder of the Law Firm described in and which executed the foregoing instrument.





NOTARY PUBLIC

Exhibit A

FILE #	STAGE	TITLE	SERIAL #	DATE FILED	PATENT #	ISSUE DATE	INVENTORS
2552.001US1	Issued	METHOD FOR PURIFYING SILICON	12288857	Oct 23, 2008	7727503	Jun 1, 2010	Scott Nichol
2552.001US2	Issued	METHOD FOR PURIFYING SILICON	12784576	May 21, 2010	7883680	Feb 8, 2011	Scott Nichol
2552.002US1	Issued	METHOD FOR REMOVING PHOSPHOROUS AND BORON FROM ALUMINUM SILICON ALLOY FOR USE IN PURIFYING SILICON	12530993	Mar 3, 2010	9243311	Jan 26, 2016	Scott Nichol
2552.003US1	Issued	USE OF ACID WASHING TO PROVIDE PURIFIED SILICON CRYSTALS	12670263	Sep 10, 2010	8480991	Jul 9, 2013	Scott Nichol, Jian J. Chen
2552.006US1	Issued	METHOD FOR PROCESSING SILICON POWDER TO OBTAIN SILICON CRYSTALS	12244839	Oct 3, 2008	7959730	Jun 14, 2011	Scott Nichol
2552.006US2	Issued	METHOD FOR PROCESSING SILICON POWDER TO OBTAIN SILICON CRYSTALS	13158626	Jun 13, 2011	8273176	Sep 25, 2012	Scott Nichol
2552.006US3	Issued	METHOD FOR PROCESSING SILICON POWDER TO OBTAIN SILICON CRYSTALS	13625348	Sep 24, 2012	8801855	Aug 12, 2014	Scott Nichol
2552.021US1	Issued	METHOD OF PURIFYING SILICON UTILIZING CASCADING PROCESS	12729561	Mar 23, 2010	8562932	Oct 22, 2013	Alain Turenne, Scott Nichol, Daniel Smith
2552.021US2	Issued	METHOD OF PURIFYING SILICON UTILIZING CASCADING PROCESS	13494710	Jun 12, 2012	8580218	Nov 12, 2013	Alain Turenne, Scott Nichol, Daniel Smith
2552.023US1	Issued	CASCADING PURIFICATION	12760222	Apr 14, 2010	8216539	Jul 10, 2012	Scott Nichol, Anthony Tummillo, Daniel Smith
2552.023US2	Issued	CASCADING PURIFICATION	13494717	Jun 12, 2012	8540958	Sep 24, 2013	Scott Nichol, Anthony Tummillo, Daniel Smith
2552.024US1	Issued	APPARATUS FOR DIRECTIONAL SOLIDIFICATION OF SILICON INCLUDING A REFRACTORY MATERIAL	12947936	Nov 17, 2010	8562740	Oct 22, 2013	Scott Nichol, Daniel Smith
2552.024US2	Pending	APPARATUS FOR DIRECTIONAL SOLIDIFICATION OF SILICON INCLUDING A REFRACTORY MATERIAL	14058832	Oct 21, 2013			Scott Nichol, Daniel Smith
2552.025US1	Pending	METHOD OF PURIFYING SILICON	14409430	Dec 18, 2014			Paul A. Mancini
2552.026US1	Allowed	CONTROLLED DIRECTIONAL SOLIDIFICATION OF SILICON	14409433	Dec 18, 2014			Abdallah Nouri
2552.028US1	Pending	METHOD TO PURIFY ALUMINUM AND USE OF PURIFIED ALUMINUM TO PURIFY SILICON	14409435	Dec 18, 2014			Alain Turenne
2552.029US1	Pending	LINING FOR SURFACES OF A REFRACTORY CRUCIBLE FOR PURIFICATION OF SILICON MELT AND METHOD OF PURIFICATION OF THE SILICON MELT USING THAT CRUCIBLE(S) FOR MELTING AND FURTHER DIRECTIONAL SOLIDIFICATION	14409534	Dec 19, 2014			Alain Turenne, Christain Alfred
2552.032US1	Allowed	METHOD FOR PURIFYING SILICON	14409536	Dec 19, 2014			Paul A. Mancini, Alain Turenne
2552.033US1	Pending	LINING FOR SURFACES OF A REFRACTORY CRUCIBLE FOR PURIFICATION OF SILICON MELT AND METHOD OF PURIFICATION OF THE SILICON MELT USING THAT CRUCIBLE	14409538	Dec 19, 2014			Alain Turenne, Christain Alfred
2552.035US1	Pending	METHOD OF PURIFYING CALCIUM FLUORIDE	14409545	Dec 19, 2014			Alain Turenne
2552.036US1	Issued	FLUX COMPOSITION USEFUL IN DIRECTIONAL SOLIDIFICATION FOR PURIFYING SILICON	14409546	Dec 19, 2014	9512008	Dec 6, 2016	Chunhui Zhang, Alain Turenne, Christain Alfred
2552.036US2	Pending	FLUX COMPOSITION USEFUL IN DIRECTIONAL SOLIDIFICATION FOR PURIFYING SILICON	15351290	Nov 14, 2016			Chunhui Zhang, Alain Turenne, Christain Alfred
2552.037US1	Pending	REACTIVE COVER GLASS OVER MOLTEN SILICON DURING DIRECTIONAL SOLIDIFICATION	14424890	Feb 27, 2015			Alain Turenne
3245.001US1	Issued	METHOD AND SYSTEM FOR CONTROLLING RESISTIVITY IN INGOTS MADE OF COMPENSATED FEEDSTOCK SILICON	12618577	Nov 13, 2009	8968467	Mar 3, 2015	Fritz G. Kirscht, Marcin Walerysiak, Matthias Heuer, Anis Jouini, Kamel Ounadjela
3245.002US1	Issued	METHOD AND SYSTEM FOR CONTROLLING RESISTIVITY IN INGOTS MADE OF COMPENSATED FEEDSTOCK SILICON	11769109	Jun 27, 2007	7651566	Jan 26, 2010	Fritz G. Kirscht, Vera Abrosimova, Matthias Heuer, Dieter Linke, Jean Patrice Rakotoniaina, Kamel Ounadjela

Exhibit A

3245.003US1	Issued	METHOD AND SYSTEM FOR FORMING A SILICON INGOT USING A LOW-GRADE SILICON FEEDSTOCK	11828734	Jul 26, 2007 7955433	Jun 7, 2011	Fritz G. Kirscht, Vera Abrosimova, Matthias Heuer, Dieter Linke, Jean Patrice Rakotoniaina, Kamel Ounadjela
3245.003US2	Issued	METHOD AND SYSTEM FOR FORMING A SILICON INGOT USING A LOW-GRADE SILICON FEEDSTOCK	13034956	Feb 25, 2011 8882912	Nov 11, 2014	Fritz G. Kirscht, Vera Abrosimova, Matthias Heuer, Dieter Linke, Jean Patrice Rakotoniaina, Kamel Ounadjela
3245.005US1	Issued	SEMICONDUCTOR WAFER PRE-PROCESS ANNEALING AND GETTERING METHOD AND SYSTEM FOR SOLAR CELL FORMATION	11648127	Dec 30, 2006 8008107	Aug 30, 2011	Fritz G. Kirscht, Kamel Ounadjela, Jean Patrice Rakotoniaina, Dieter Linke
3245.007US1	Issued	QUALITY CONTROL PROCESS FOR UMG-SI FEEDSTOCK	12770688	Apr 29, 2010 8547121	Oct 1, 2013	Kamel Ounadjela, Marcin Walerysiak, Anis Jouini, Matthias Heuer, Omar Sidelkheir, Alain Paul Blossé, Fritz G. Kirscht
3245.011US1	Issued	GERMANIUM-ENRICHED SILICON MATERIAL FOR MAKING SOLAR CELLS	12140104	Jun 16, 2008 7887633	Feb 15, 2011	Fritz G. Kirscht, Vera Abrosimova, Matthias Heuer, Anis Jouini, Dieter Linke, Martin Kaes, Jean Patrice Rakotoniaina, Kamel Ounadjela
3245.016US1	Issued	POLARIZATION RESISTANT SOLAR CELL DESIGN USING AN OXYGEN-RICH INTERFACE LAYER	12647286	Dec 24, 2009 9166071	Oct 20, 2015	Bill Phan, Renhua Zhang, John Gorman, Omar Sidelkheir, Jean Patrice Rakotoniaina, Alain Paul Blossé, Martin Kaes
3245.022US1	Issued	GERMANIUM ENRICHED SILICON MATERIAL FOR MAKING SOLAR CELLS	12954498	Nov 24, 2010 8758507	Jun 24, 2014	Fritz G. Kirscht, Matthias Heuer, Martin Kaes, Kamel Ounadjela
3245.030US1	Issued	DIRECTIONAL SOLIDIFICATION SYSTEM AND METHOD	13234960	Sep 16, 2011 9352389	May 31, 2016	Abdallah Nouri, Kamel Ounadjela
3245.030US2	Pending	DIRECTIONAL SOLIDIFICATION SYSTEM AND METHOD	15166039	May 26, 2016		Abdallah Nouri, Kamel Ounadjela
3245.033US1	Pending	METHOD FOR PURIFICATION OF SILICON	14374382	Jul 24, 2014		Alain Turenne, Daniel Smith, Damon Dastgiri, Fritz G. Kirscht, Anthony Tummlillo, Chunhui Zhang, Kamel Ounadjela
3245.041US1	Issued	SILICON PURIFICATION MOLD AND METHOD	14375743	Jul 30, 2014 9617618	Apr 11, 2017	Abdallah Nouri, Chunhui Zhang, Kamel Ounadjela
3245.047US1	Allowed	DIRECTIONAL SOLIDIFICATION SYSTEM AND METHOD	14776536	Sep 14, 2015		Abdallah Nouri, Alain Turenne
3245.048US1	Issued	COVER FLUX AND METHOD FOR SILICON PURIFICATION	14764491	Jul 29, 2015 9617160	Apr 11, 2017	Alain Turenne, Abdallah Nouri, Christain Alfred