

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7875626

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
THE BUSINESS DEVELOPMENT BANK OF CANADA	03/29/2023

RECEIVING PARTY DATA

Name:	REDLEN TECHNOLOGIES INC.
Street Address:	1763 SEAN HEIGHTS, SUITE #123
City:	SAANICHTON
State/Country:	BRITISH COLUMBIA
Postal Code:	V8M 0A5

PROPERTY NUMBERS Total: 36

Property Type	Number
Patent Number:	7427382
Patent Number:	7223982
Patent Number:	7728304
Patent Number:	7589324
Patent Number:	7462833
Patent Number:	8071953
Patent Number:	7955992
Patent Number:	7547425
Patent Number:	8614423
Patent Number:	9202961
Patent Number:	8476101
Patent Number:	9847369
Patent Number:	10276627
Application Number:	62116957
Application Number:	62201757
Patent Number:	10396109
Patent Number:	10393891
Patent Number:	10203420
Application Number:	16035801
Application Number:	62532742

PATENT

Property Type	Number
Application Number:	16155786
Application Number:	62686250
Application Number:	15972717
Application Number:	16659096
Application Number:	62750335
Application Number:	16185963
Application Number:	16199588
Application Number:	62744289
Application Number:	62833653
Application Number:	62851252
Application Number:	62860614
Application Number:	62877231
Application Number:	62900779
Application Number:	62891833
Application Number:	62988111
Application Number:	62912106

CORRESPONDENCE DATA

Fax Number:

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.

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ATTORNEY DOCKET NUMBER:	882_REDLIN_ASSIGNMENT
NAME OF SUBMITTER:	WENDY M. SLADE
SIGNATURE:	/WENDY M. SLADE/
DATE SIGNED:	03/30/2023

Total Attachments: 9

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**RELEASE AND DISCHARGE OF
SECURITY INTEREST IN PATENTS**

TO: Redlen Technologies Inc. (the "Debtor")

AND TO: The United States Patent and Trademark Office ("USPTO"); and The Canadian Intellectual Property Office ("CIPO").

AND TO: Those other parties that it may concern

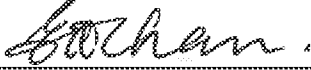
RECITALS:

- A. The Debtor is the owner of the patents/patent applications set forth in Exhibit A hereto (collectively, the "Patents").
- B. The Debtor granted certain mortgages, assignments, security interests and hypothecations (collectively, the "Security") in favour of The Business Development Bank of Canada ("BDC") over the Patents.
- C. BDC's security interest over the Patents was recorded with the USPTO on April 15, 2020 in respect of the US Patents (under Reel: 052407, Frame: 0903-0917), and was recorded with CIPO in respect of the Canadian Patents.
- D. All of the Debtor's obligations secured by the foregoing Security, and all liens in connection therewith, have been discharged and released in full.
- E. BDC has agreed, at the request of the Debtor, to issue this document for the purpose of evidencing the foregoing and facilitating the discharge and release of BDC's security interest in the Patents.

NOW THEREFORE for good and valuable consideration (the receipt and sufficiency of which is hereby acknowledged), BDC hereby irrevocably and unconditionally releases and discharges to and in favour of the Debtor and its successors and assigns, but without representation, recourse or warranty, each and every security interest created over the Patents and BDC hereby authorizes the Debtor and each of its solicitors and agents to discharge all such security interests made against the Patents.

DATED this 29th day of March, 2023.

Business Development Bank of Canada

By: 
Name: **ERIKAAYUMI CHAN**
Title: **SENIOR LEGAL ASSISTANT**

By: 
Name: **JOHN JOSEPH BATEMAN**
Title: **ASSISTANT VICE PRESIDENT
LEGAL AFFAIRS**

EXHIBIT A

PATENTS

Invention Title	Matter No.	Sub-Case	Case Type	Country	Application Status	Appn. Number	Filing Date	Patent Number	Issue Date	Inventors
A Cold-Walled Vessel Process for Compounding, Homogenizing and Consolidating Semiconductor Compounds			ORD	CA	Granted	2,510,415	21-Jun-2005	2,510,415	14-Aug-2012	Redden, Robert Francis; Huang, Weidong
Cold-Walled Vessel Process for Compounding, Homogenizing and Consolidating Semiconductor Compounds	6903-102		ORD	US	Granted	11/471,734	21-Jun-2006	7,427,382	23-Sep-2008	Redden, Robert Francis; Huang, Weidong; Hasanen, Troy Oran
Segmented Radiation Detector with Side Shielding Cathode	6903-104		ORD	US	Granted	11/527,707	27-Sep-2006	7,223,982	29-May-2007	Chen, Henry; Awadalla, Salah
Method of Making Segmented Contacts for Radiation Detectors Using Direct Photolithography	6903-107	CIP	CIP	US	Granted	11/633,091	04-Dec-2006	7,728,304	01-Jun-2010	Chen, Henry; Roupasov, Serguei; Awadalla, Salah
Use of Solder Mask as a Protective Coating for Radiation Detector	6903-110		ORD	US	Granted	11/642,619	21-Dec-2006	7,589,324	15-Sep-2009	Chen, Henry; Bindley, Glenn; Lu, Pinghe
Multi-Functional Cathode Packaging Design for Solid-State Radiation Detectors	6903-111		ORD	US	Granted	11/785,319	17-Apr-2007	7,462,833	09-Dec-2008	Chen, Henry; Lu, Pinghe; Brougham, Ray; Awadalla, Salah; MacDonald, Andrew; Bindley, Glenn

Invention Title	Matter No.	Sub-Case	Case Type	Country	Application Status	Appln. Number	Filing Date	Patent Number	Issue Date	Inventors
Cold-Walled Vessel Process for Compounding, Homogenizing and Consolidating Semiconductor Compounds	6903-113		EPP	DE	Granted	06773647.0	21-Jun-2006	6020060418 91.4	11-Jun-2014	Redden, Robert Francis; Huang, Weidong; Hasanen, Troy Oran
Cold-Walled Vessel Process for Compounding, Homogenizing and Consolidating Semiconductor Compounds	6903-113		PCT	EP	Granted	06773647.0	21-Jun-2006	1897123	11-Jun-2014	Redden, Robert Francis; Huang, Weidong; Hasanen, Troy Oran
Cold-Walled Vessel Process for Compounding, Homogenizing and Consolidating Semiconductor Compounds	6903-115		PCT	MY	Granted	PI 20072249	21-Jun-2006	MY-146108-A	29-Jun-2012	Redden, Robert Francis; Huang, Weidong; Hasanen, Troy Oran
Cold-Walled Vessel Process for Compounding, Homogenizing and Consolidating Semiconductor Compounds	6903-116		PCT	CN	Granted	2006800305 39.5	21-Jun-2006	ZL20068003 0539.5	24-Apr-2013	Redden, Robert Francis; Huang, Weidong; Hasanen, Troy Oran
Cold-Walled Vessel Process for Compounding, Homogenizing and Consolidating Semiconductor Compounds	6903-117		PCT	JP	Granted	2008-518340	21-Jun-2006	5 075,122	31-Aug-2012	Redden, Robert Francis; Huang, Weidong; Hasanen, Troy Oran
ACF Attachment for Radiation Detector	6903-119		ORD	US	Granted	12/111,413	29-Apr-2008	8 071,953	06-Dec-2011	Lu, Pinghe; Chen, Henry; Bindley, Glenn

Invention Title	Matter No.	Sub-Case	Case Type	Country	Application Status	Appn. Number	Filing Date	Patent Number	Issue Date	Inventors
Method of Passivating and Encapsulating CdTe and CZT Segmented Detectors	6903-120		ORD	US	Granted	12/188,501	08-Aug-2008	7,955,992	07-Jun-2011	Chen, Henry; Lu, Pinghe; Awadalla, Salah
Cold-Walled Vessel Process for Compounding, Homogenizing and Consolidating Semiconductor Compounds	6903-125	C	CON	US	Granted	12/232,185	11-Sep-2008	7,547,425	16-Jun-2009	Redden, Robert Francis; Huang, Weidong; Hasanen, Troy Oran
Solid-State Radiation Detector with Improved Sensitivity	6903-126		ORD	US	Granted	12/364,042	02-Feb-2009	8,614,423	24-Dec-2013	Chen, Henry; Awadalla, Salah; Lu, Pinghe; Marthandam, Pramodha
Imaging Devices with Solid-State Radiation Detector with Improved Sensitivity	6903-126	CIP	CIP	US	Granted	13/910,358	05-Jun-2013	9,202,961	01-Dec-2015	Chen, Henry; Awadalla, Salah; Lu, Pinghe; Marthandam, Pramodha
Use of Solder Mask as a Protective Coating for Radiation Detector	6903-129		ORD	IL	Granted	199392	05-Dec-2007	199392	01-Nov-2012	Chen, Henry; Bindley, Glenn; Lu, Pinghe
Method of Fabricating Patterned CZT and CdTe Devices	6903-131		ORD	US	Granted	12/654,646	28-Dec-2009	8,476,101	02-Jul-2013	Chen, Henry; Marthandam, Pramodha; Awadalla, Salah; Lu, Pinghe
Multi-Functional Cathode Packaging Design for Solid-State Radiation Detectors	6903-132		PCT	IL	Granted	201501	14-Apr-2008	201501	29-May-2013	Chen, Henry; Lu, Pinghe; Brougham, Ray; Awadalla, Salah; MacDonald, Andrew; Bindley, Glenn

Invention Title	Matter No.	Sub-Case	Case Type	Country	Application Status	Appn. Number	Filing Date	Patent Number	Issue Date	Inventors
High-Performance Radiation Detectors and Methods of Fabricating Thereof	6903-136		ORD	US	Granted	15/014,707	03-Feb-2016	9,847,369	19-Dec-2017	El-Hanany, Uri; Densmore, Adam; Taherion, Saeid; Prekas, Georgios; Perumal, Veeramani
High-Performance Radiation Detectors and Methods of Fabricating Thereof	6903-136	C1	CON	US	Granted	15/729,369	10-Oct-2017	10,276,627	30-Apr-2019	El-Hanany, Uri; Densmore, Adam; Taherion, Saeid; Prekas, Georgios; Perumal, Veeramani
High-Performance Radiation Detectors and Methods of Fabricating Thereof	6903-136	P	PRO	US	Converted	62/116,957	17-Feb-2015			Densmore, Adam; Prekas, Georgios; Perumal, Veeramani; Taherion, Saeid; El-Hanany, Uri
High-Performance Radiation Detectors and Methods of Fabricating Thereof	6903-136	P2	PRO	US	Converted	62/201,757	06-Aug-2015			El-Hanany, Uri; Densmore, Adam; Taherion, Saeid; Prekas, Georgios; Perumal, Veeramani
Local Storage Device in High Flux Semiconductor Radiation Detectors and Methods of Operating Thereof	6903-137		ORD	US	Granted	15/095,786	11-Apr-2016	10,396,109	27-Aug-2019	Iniewski, Kris; Bindley, Glenn; Crestani, Robert
Segmentation for Semiconductor Radiation Detectors and Methods of Fabricating Thereof	6903-138		ORD	US	Granted	15/144,861	03-May-2016	10,393,891	27-Aug-2019	Iniewski, Kris; Bindley, Glenn

Invention Title	Matter No.	Sub-Case	Case Type	Country	Application Status	Appn. Number	Filing Date	Patent Number	Issue Date	Inventors
Dual Sided Tape Attachment to Cathode Electrode of Radiation Detector	6903-139		ORD	CN	Published	2018104475 25.8	11-May-2018			Lu, Pinghe
Dual Sided Tape Attachment to Cathode Electrode of Radiation Detector	6903-139		ORD	US	Granted	15/592,368	11-May-2017	10,203,420	12-Feb-2019	Lu, Pinghe Ayukawa, Michael Read, Christopher Crestani, Robert Walton, Jeffrey
Fast-Switching Electro-Optic Modulators and Method of Making the Same	6903-140		ORD	US	Published	16/035,801	16-Jul-2018			Kumar, Francis Joseph, Taherion, Saied Giles, David Mackenzie, Jason
Fast-Switching Electro-Optic Modulators and Method of Making the Same	6903-140	P	PRO	US	Converted	62/532,742	14-Jul-2017			Kumar, Francis Joseph, Taherion, Saied Giles, David Mackenzie, Jason
Methods of Calibrating Semiconductor Radiation Detectors Using K-Edge Filters	6903-142		ORD	US	Published	16/155,786	09-Oct-2018			Guliyev, Elmaddin Prekas, Georgios Rozler, Michael Iniewski, Krzysztof Marcoux, Jean Hannson, Conny
Methods of Calibrating Semiconductor Radiation Detectors Using K-Edge Filters	6903-142	P	PRO	US	Converted	62/586,250	18-Jun-2018			Guliyev, Elmaddin Prekas, Georgios Rozler, Michael Iniewski, Kris Marcoux, Jean
Four-Side Buttable Radiation Detector Unit and Method of Making Thereof	6903-143		ORD	US	Published	15/972,717	07-May-2018			Crestani, Robert Read, Christopher Ayukawa, Michael Bindley, Glenn Iniewski, Krzysztof

Invention Title	Matter No	Sub-Case	Case Type	Country	Application Status	Appin. Number	Filing Date	Patent Number	Issue Date	Inventors
X Ray-to-Infrared Conversion Structures for Illuminating X Ray Detectors with Infrared Light to Improve Performance	6903-144		ORD	DE	Pending	1020182190 61.5	08-Nov-2018			Taherion, Saied Prekas, Georgios
X Ray-to-Infrared Conversion Structures for Illuminating X Ray Detectors with Infrared Light to Improve Performance	6903-144		ORD	US	Pending	16/659,096	21-Oct-2019			Taherion, Saied Prekas, Georgios
X Ray-to-Infrared Conversion Structures for Illuminating X Ray Detectors with Infrared Light to Improve Performance	6903-144	P	PRO	US	Converted	62/750,335	25-Oct-2018			Taherion, Saied Prekas, Georgios
Charge Sharing Correction Methods for Pixelated Radiation Detector Arrays	6903-145		ORD	US	Pending	16/185,963	09-Nov-2018			iniewski, Krzysztof Hansson, Conny Crestani, Robert Bindley, Glenn
Method of X-ray and Bias Pulsing During CdZnTe Sensor Operation for High Flux Photon Counting CT (PCCT) Applications	6903-146		ORD	DE	Pending	1020182221 05.7	18-Dec-2018			Prekas, Georgios Taherion, Saied
Method of X-ray and Bias Pulsing During CdZnTe Sensor Operation for High Flux Photon Counting CT (PCCT) Applications	6903-146		ORD	US	Pending	16/199,588	26-Nov-2018			Prekas, Georgios Taherion, Saied

Invention Title	Matter No.	Sub-Case	Case Type	Country	Application Status	Appin. Number	Filing Date	Patent Number	Issue Date	Inventors
Method of X-ray and Bias Pulsing During CdZnTe Sensor Operation for High Flux Photon Counting CT (PCCT) Applications	6903-146	P	PRO	US	Converted	62/744,289	11-Oct-2018			Prekas, Georgios Taherion, Saied
Systems and Methods for X-Ray Diffraction Virtual Spectroscopy	6903-147		ORD	US	Unfiled					Iniewski, Krzysztof Ayukawa, Michael Hannson, Conny
Systems and Methods for X-Ray Diffraction Virtual Spectroscopy	6903-147	P	PRO	US	Converted	62/833,653	13-Apr-2019			Iniewski, Krzysztof Ayukawa, Michael Hannson, Conny
Compton Scattering Correction Methods for Pixelated Radiation Detector Arrays	6903-148		ORD	US	Unfiled					Iniewski, Krzysztof Taherion, Saied Bindley, Glenn
Compton Scattering Correction Methods for Pixelated Radiation Detector Arrays	6903-148	P	PRO	US	Converted	62/851,252	22-May-2019			Iniewski, Krzysztof Taherion, Saied Bindley, Glenn
Time Signatures and Pattern Matching in X-Ray Photon Counting Detectors	6903-149		ORD	US	Unfiled					Harris, Bernard Iniewski, Krzysztof
Time Signatures and Pattern Matching in X-Ray Photon Counting Detectors	6903-149	P	PRO	US	Converted	62/860,514	12-Jun-2019			Harris, Bernard Iniewski, Krzysztof
Compensation for Charge Sharing Between Detector Pixels in a Pixelated Radiation Detector	6903-150	P	PRO	US	Pending	62/877,231	22-Jul-2019			Iniewski, Krzysztof Guliyev, Elmaddin Hannson, Conny

Invention Title	Matter No.	Sub-Case	Case Type	Country	Application Status	Appin. Number	Filing Date	Patent Number	Issue Date	Inventors
Calibration Methods for Improving Uniformity in X-Ray Photon Counting Detectors	6903-151	P	PRO	US	Pending	62/900,779	16-Sep-2019			Iniewski, Krzysztof Guliyev, Elmaddin Hannson, Conny
Charge Sharing Correction Methods for Sub-Pixelated Radiation Detector Arrays	6903-152	P	PRO	US	Pending	62/891,833	26-Aug-2019			Iniewski, Krzysztof Taherion, Saled Hannson, Conny Crestani, Robert Bindley, Glenn
Radiation Detector Module with Insulating Shield	6903-154	P	PRO	US	Pending	62/938,111	11-Mar-2020			Read, Christopher, Flanagan Keira, Ayukawa Michael
Low Dark Current Radiation Detector and Method of Making the Same	6903-155	P	PRO	US	Pending	62/912,106	08-Oct-2019			Taherion, Saled Jackson, Michael K