PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7853403

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF PATENT SECURITY INTEREST - JUNIOR INDENTURE - REEL/FRAME - 061767/0154

CONVEYING PARTY DATA

Name	Execution Date
WILMINGTON SAVINGS FUND SOCIETY, FSB, AS COLLATERAL AGENT	03/14/2023

RECEIVING PARTY DATA

Name:	ROCKLEY PHOTONICS LIMITED
Street Address:	1 ASHLEY ROAD
Internal Address:	3RD FLOOR
City:	ALTRINCHAM, CHESHIRE
State/Country:	UNITED KINGDOM
Postal Code:	WA14 2DT

PROPERTY NUMBERS Total: 10

Property Type	Number
Application Number:	17909344
Application Number:	17911111
Application Number:	17938282
Application Number:	17938328
Application Number:	17937444
Application Number:	63377693
Application Number:	63378044
Application Number:	63380361
Application Number:	63379282
Application Number:	63413181

CORRESPONDENCE DATA

Fax Number: (214)981-3400

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: 2149813345 Email: lggrau@sidley.com **Correspondent Name:** LAUREN G. GRAU

Address Line 1: 2021 MCKINNEY AVE, SUITE 2000

Address Line 4: DALLAS, TEXAS 75201

> **PATENT** REEL: 063117 FRAME: 0560

507806273

ATTORNEY DOCKET NUMBER:	069548-30270
NAME OF SUBMITTER:	LAUREN G. GRAU
SIGNATURE:	/s/ Lauren G. Grau
DATE SIGNED:	03/19/2023

Total Attachments: 63

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RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL

THIS RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL (this "Release"), dated as of March 14, 2023, is made by Wilmington Savings Fund Society, FSB, ("WSFS") as Collateral Agent (in such capacity, the "Collateral Agent") for the Secured Parties (as defined in the IP Security Agreements referred to below), in favor of the grantor listed on Annex I (the "Grantor"), as follows:

WITNESSETH:

WHEREAS, Rockley Photonics Holdings Limited, an exempted company incorporated in the Cayman Islands (the "<u>Issuer</u>"), the guarantors from time to time party thereto, and the Collateral Agent (in such capacities, the "<u>Junior Trustee</u>") entered into that certain Indenture, dated May 27, 2022 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "<u>Original Indenture</u>") pursuant to which the Issuer issued senior secured convertible notes in accordance with the terms of the Junior Indenture (as defined below) (such notes, as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "<u>Junior Notes</u>");

WHEREAS, the Original Indenture was amended by (i) the First Supplemental Indenture, dated as of August 4, 2022 (the "First Supplemental Indenture"), between the Issuer and the Junior Trustee, (ii) the Second Supplemental Indenture, dated as of September 30, 2022, by and among the Issuer, the other grantors party thereto, and WSFS as trustee (the "Second Supplemental Indenture"), and (iii) the Fourth Supplemental Indenture, dated as of October 25, 2022, between the Issuer and the Junior Trustee (the "Fourth Supplemental Indenture" and, together with the Original Indenture, the First Supplemental Indenture, the Second Supplemental Indenture, and as may be further amended, restated, amended and restated, supplemented or otherwise modified from time to time (other than the Third Supplemental Indenture, dated as of September 30, 2022) (the "Junior Indenture");

WHEREAS, the Issuer, the guarantors from time to time party thereto, and WSFS, as trustee and collateral agent (in such capacities, the "Super Senior Trustee") entered into that certain Indenture, dated October 25, 2022 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Super Senior Indenture" and together with the Junior Indenture, the "Indentures") pursuant to which the Issuer issued senior secured convertible notes in accordance with the terms of the Super Senior Indenture (such notes, as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Super Senior Notes");

WHEREAS, the Issuer, the guarantors from time to time party thereto, WSFS, as Junior Trustee, WSFS, as Super Senior Trustee and WSFS as collateral agent for the benefit of itself and the other Secured Parties entered into that certain Collateral Agency and Intercreditor Agreement, dated October 25, 2022 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the "Intercreditor Agreement") pursuant to which the relative rights and priorities are set forth between the holders of the Junior Notes and Super Senior Notes;

WHEREAS, in connection with the Indentures, the Grantor entered into that certain UK Debenture dated May 27, 2022 (the "Original Debenture"), as amended and supplemented by (i) the Supplemental Debenture, dated as of October 3, 2022, between the Grantor, as Chargor and the Collateral Agent (the "First Supplemental Debenture") and (ii) the Second Supplemental Debenture, dated as of October 25, 2022, between the Grantor as Chargor and the Collateral Agent (the "Second Supplemental Debenture" and, together with the Original Debenture, the First Supplemental Debenture, and as may be further amended, restated, amended and restated, supplemented or otherwise modified from time to time, the

"<u>Debenture</u>"), the Original Debenture was a condition precedent to the issuance of the Junior Notes under the Junior Indenture and the Second Supplemental Debenture is a condition precedent to the issuance of Super Senior Notes under the Super Senior Indenture;

WHEREAS, under the terms of the Original Indenture, Indenture, Original Debenture, Debenture, Intercreditor Agreement and certain security interest acknowledgments Grantor granted to the Collateral Agent, for its benefit and the ratable benefit of the other Secured Parties, a security interest in, among other property, certain collateral owned by Grantor, including the IP Collateral (as hereinafter defined), and Grantor executed certain security interest acknowledgments described on <u>Annex I</u> attached hereto (the "<u>IP Security Agreements</u>"); and

WHEREAS, the Collateral Agent has been requested to terminate and release the IP Security Agreements and the entirety of its security interest in the IP Collateral, including as described on <u>Annex II</u> attached hereto.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and upon the terms set forth in this Release, the Collateral Agent hereby agrees as follows:

- 1. <u>Definitions</u>. The term "<u>IP Collateral</u>", as used herein, shall mean all of the Grantor's right, title or interest in, or to any and all of the Collateral, including the properties listed on <u>Annex II</u> attached hereto. Capitalized terms not defined herein have the meanings set forth in the IP Security Agreements, as applicable.
- 2. Release of Security Interest. The Collateral Agent, without recourse, representation or warranty and at the Grantor's sole cost and expense, hereby terminates the IP Security Agreements and terminates, cancels, releases, relinquishes and discharges, in its entirety, for the benefit of the Grantor, and their successors and assigns, its security interest in and to the IP Collateral and any and all right, title and interest of the Collateral Agent in and to the IP Collateral. The Collateral Agent hereby authorizes the Grantor and its successors, assigns or other legal representatives to file this Release with the United States Patent and Trademark Office (the "USPTO") at the sole expense of the Grantor, to evidence and effectuate the release and termination of the Collateral Agent's security interest in the IP Collateral.
- 3. <u>Delivery by Facsimile</u>. Delivery of an executed signature page to this Release by facsimile or electronic (including .pdf file) transmission shall be as effective as delivery of a manually signed counterpart of this Release. Electronic signatures will have the same force and effect as manual signatures.
- 4. <u>Governing Law.</u> THIS RELEASE AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HERETO SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

[Signature page follows]

IN WITNESS WHEREOF, the undersigned has executed this Release by its duly authorized officer as of the date first above written.

WILMINGTON SAVINGS FUND SOCIETY, FSB, as Collateral Agent

Name: Raye Goldsborough

Title: Vice President

ANNEX I

Security Interest Filings to be Released:

- 1. Acknowledgement of Patent Security Interest, dated as of May 27, 2022, by and between Rockley Photonics Limited (the "<u>Grantor</u>") in favor of Wilmington Savings Fund Society, FSB, as Collateral Agent (in such capacity, the "<u>Collateral Agent</u>") for the Secured Parties (as defined in the Junior Indenture and/or the Debenture, as applicable) and recorded with the United States Patent and Trademark Office on May 27, 2022 at Reel/Frame 060204/0749.
- 2. Acknowledgement of Trademark Security Interest, dated as of May 27, 2022, by and between Rockley Photonics Limited (the "Grantor") in favor of Wilmington Savings Fund Society, FSB, as Collateral Agent (in such capacity, the "Collateral Agent") for the Secured Parties (as defined in the Junior Indenture and/or the Debenture, as applicable) and recorded with the United States Patent and Trademark Office on May 27, 2022 at Reel/Frame 7736/0100.
- 3. Acknowledgement of Patent Security Interest, dated as of September 30, 2022, by and between Rockley Photonics Limited (the "<u>Grantor</u>") in favor of Wilmington Savings Fund Society, FSB, as Collateral Agent (in such capacity, the "<u>Collateral Agent</u>") for the Secured Parties (as defined in the Junior Indenture and/or the Debenture, as applicable) and recorded with the United States Patent and Trademark Office on October 4, 2022 at Reel/Frame 061604/0025.
- 4. Acknowledgement of Patent Security Interest, dated as of October 14, 2022, by and between Rockley Photonics Limited (the "<u>Grantor</u>") in favor of Wilmington Savings Fund Society, FSB, as Collateral Agent (in such capacity, the "<u>Collateral Agent</u>") for the Secured Parties (as defined in the Junior Indenture and/or the Debenture, as applicable) and recorded with the United States Patent and Trademark Office on October 15, 2022 at Reel/Frame 061435/0367.
- 5. Acknowledgement of Patent Security Interest, dated as of October 25, 2022, by and between Rockley Photonics Limited (the "<u>Grantor</u>") in favor of Wilmington Savings Fund Society, FSB, as Collateral Agent (in such capacity, the "<u>Collateral Agent</u>") for the Secured Parties (as defined in the Junior Indenture and/or the Debenture, as applicable) and recorded with the United States Patent and Trademark Office on October 25, 2022 at Reel/Frame 061767/0154.
- 6. Acknowledgement of Patent Security Interest, dated as of October 25, 2022, by and between Rockley Photonics Limited (the "<u>Grantor</u>") in favor of Wilmington Savings Fund Society, FSB, as Collateral Agent (in such capacity, the "<u>Collateral Agent</u>") for the Secured Parties (as defined in the Super Senior Indenture, Intercreditor Agreement and/or Debenture, as applicable) and recorded with the United States Patent and Trademark Office on October 25, 2022 at Reel/Frame 061768/0082.
- 7. Acknowledgement of Trademark Security Interest, dated as of October 25, 2022, by and between Rockley Photonics Limited (the "<u>Grantor</u>") in favor of Wilmington Savings Fund Society, FSB, as Collateral Agent (in such capacity, the "<u>Collateral Agent</u>") for the Secured

[Annex I to Release of Security Interest in Intellectual Property Collateral]



[Annex I to Release of Security Interest in Intellectual Property Collateral]

ANNEX II

Acknowledgement of Patent Security Interest that was recorded with the United States Patent and Trademark Office on May 27, 2022 at Reel/Frame 060204/0749, as follows:

PATENTS

Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	OWNER
RPAT007US	RPAT006US	RPAT005US(C1)	RPAT005US	RPAT003US(N2)	RPAT003US	RPAT002US(C1)	RPAT002US	RPAT001US	ROCKLEY REF
OPTICAL BRIDGE	DETECTOR REMODULATOR AND OPTOELECTRONIC SWITCH	DETECTOR REMODULATOR AND OPTOELECTRONIC SWITCH	DETECTOR REMODULATOR AND OPTOELECTRONIC SWITCH	OPTOELECTRONIC DEVICE	DETECTOR REMODULATOR	TUNABLE SOI LASER	TUNABLE SOI LASER	TUNABLE SOI LASER	TITLE
Sn	Sn	SN	Sn	SN	SN	SN	SN	Sn	COUNTRY
14868116	15120861	15256321	14827200	15833990	14629922	15042803	14601107	14601101	APPLICATION NUMBER
28-Sep- 2015	24-Feb- 2015	02-Sep- 2016	14-Aug- 2015	06-Dec- 2017	24-Feb- 2015	12-Feb- 2016	20-Jan- 2015	20-Jan- 2015	DATE
20160091665	2017-0078772	2016-0373843	2016-0080844	20180101082	2015-0277157	2016-0164246	2015-0207291	2015-0207296	PUBLICATION NUMBER
24-Jan- 17	12-Mar- 19	30-May- 17	6-Sep-16	5-Mar- 19	6-Dec-16	23-May- 17	23-Feb- 16	19-Jan- 16	GRANT DATE
9551838	10231038	9668037	9438970	10222677	9513498	9660411	9270078	9240673	PATENT NUMBER

[Annex II to Release of Security Interest in Intellectual Property Collateral]

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics	RPAT008US	OPTOELECTRONIC SWITCH	SN	14639041	04-Mar- 2015	2016-0091666	16-Aug- 16	9417396
Limited								
Rockley	RPAT010US	WAVEGUIDE MODULATORS	SN	15555431	04-Mar-	2018-0046057-A1	29-Jan- 19	10191350
Limited					i i		į	
Rockley	RPAT010US(N1)	WAVEGUIDE MODULATOR	US	15927943	21-Mar-	2018-0217469-A1	26-Feb-	10216059
Photonics Limited		STRUCTURES			2018		19	
Rockley	RPAT010US(N2)	WAVEGUIDE MODULATOR	SN	16231257	21-Dec-	20190146304	9-Jun-20	10678115
Photonics Limited		STRUCTURES			2018			
Rockley	RPAT010US(N3)	WAVEGUIDE MODULATOR	US	16550141	23-Aug-	20200124878	19-0ct-	11150494
Photonics Limited		STRUCTURES			2019		21	
Rockley	RPAT011US	OPTOELECTRONIC SWITCH	SN	14715448	18-May-	2016-0094487	3-0ct-17	9781059
Limited					, C+0			
Rockley	RPAT011US(C1)	OPTOELECTRONIC SWITCH	SN	15696145	05-Sep-	2018-0063029	8-May-	9967208
Photonics Limited					2017		18	
Rockley	RPAT012US	ELECTRONIC/PHOTONIC CHIP	SN	14752476	26-Jun-	2016-0131862	17-Apr-	9946042
Photonics Limited		INTEGRATION AND BONDING			2015		18	
Rockley Photonics Limited	RPAT012US(C1)	ELECTRONIC/PHOTONIC CHIP INTEGRATION AND BONDING	SN	15914981	07-Mar- 2018	2018-0196210	23-Jul-19	10359588
Rockley Photonics	RPAT013US	INTERPOSER BEAM EXPANDER CHIP	SN	14789489	01-Jul- 2015	2017-0003450	11-Jun- 19	10317620
Rockley Photonics Limited	RPAT014US	BURST-MODE RECEIVER	SN	14813081	29-Jul- 2015	2017-0034607	11-Apr- 17	9621972

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics	RPAT015US	OPTOELECTRONIC SWITCH	SN	15317897	29-Sep- 2016	2017-0289652	24-Jul-18	10034069
Rockley Photonics	RPAT016US	SYSTEM AND METHOD FOR ROUTING	SN	15279267	28-Sep- 2016	2017-0093717	12-Feb- 19	10205664
Rockley Photonics Limited	RPAT017US(N1)	DISCRETE WAVELENGTH TUNABLE LASER	US	15488400	14-Apr- 2017	2017-0222398	12-Jun- 18	9997890
Rockley Photonics Limited	RPAT018US	OPTOELECTRONIC COMPONENT	US	15321723	10-Nov- 2016	2017-0299902	23-Mar- 21	10955692
Rockley Photonics Limited	RPAT183WO	FACET BASED ON CUSTOM BEND	WIPO	PCTEP2022055486	03-Mar- 2022	WO2022/184868 A1	1	
Rockley Photonics Limited	RPAT019US	OPTOELECTRONIC SWITCH	SN	15072314	16-Mar- 2016	2017-0041691	11-Jul-17	9706276
Rockley Photonics Limited	RPAT019US(C1)	OPTOELECTRONIC SWITCH	Sn	15644710	07-Jul- 2017	2017-0366884	12-Feb- 19	10206019
Rockley Photonics Limited	RPAT021US	DISCRETE WAVELENGTH TUNABLE LASER	Sn	16077437	17-Feb- 2017	20190052057A1	17-Mar- 20	10594109
Rockley Photonics Limited	RPAT021US(N1)	DISCRETE WAVELENGTH TUNABLE LASER	Sn	16889656	01-Jun- 2020	20200295537	1	•
Rockley Photonics Limited	RPAT022US	TUNABLE LASER	SN	15999104	17-Feb- 2017	20190341740	16-Nov- 21	11177627
Rockley Photonics Limited	RPAT023US	OPTOELECTRONIC SWITCH	Sn	15390348	23-Dec- 2016	2017-0117966	26-Nov- 19	10491973

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics Limited	RPAT024US	SYSTEM AND METHOD FOR LINE CODING	Sn	15425999	06-Feb- 2017	2017-0230143	25-Sep- 18	10084570
Rockley Photonics Limited	RPAT025US	SYNCHRONIZATION AND RANGING IN A SWITCHING SYSTEM	SN	15466737	22-Mar- 2017	2017-0279591	10-Apr- 18	9942027
Rockley Photonics Limited	RPAT025US(C3)	OPTOELECTRONIC DEVICE AND ARRAY THEREOF	SN	17199352	11-Mar- 2021	20210199995	1	ABANDONED
Rockley Photonics Limited	RPAT026US	OPTOELECTRONIC SWITCH ARCHITECTURES	SN	15521600	22-Apr- 2016	2017-0245028	20-Feb- 18	9900672
Rockley Photonics Limited	RPAT027US	OPTICAL SWITCH ARCHITECTURE	Sn	15461421	16-Mar- 2017	2017-0195758	17-Jul-18	10028041
Rockley Photonics Limited	RPAT028US(2)	QUANTUM CONFINED STARK EFFECT ELECTROABSORPTION MODULATOR ON A SOI PLATFORM	US	16315569	07-Jul- 2017	20190324299	29-Sep- 20	10788688
Rockley Photonics Limited	RPAT029US	SINGLE MODE WAVEGUIDE WITH AN ADIABATIC BEND	Sn	15489669	17-Apr- 2017	20170351025	17-Nov- 20	10838146
Rockley Photonics Limited	RPAT030US	OPTICAL MODULATORS	US	15430314	10-Feb- 2017	2017-0155452-A1	20-Nov- 18	10135542
Rockley Photonics Limited	RPAT030US(N1)	OPTICAL MODULATORS	SN	16195774	19-Nov- 2018	20190139950	24-Aug- 21	11101256
Rockley Photonics Limited	RPAT031US	WAVEGUIDE OPTOELECTRONIC DEVICE	SN	16465535	01-Dec- 2017	20200012043	31-Aug- 21	11105975
Rockley Photonics Limited	RPAT032US	WAVEGUIDE DEVICE AND METHOD OF DOPING A WAVEGUIDE DEVICE	US	16465538	01-Dec- 2017	20190331855	15-Jun- 21	11036006

Rockley	ROCKLEY REF	TITLE MODE CONVERTER AND METHOD OF FABRICATING	COUNTRY US	NUMBER 16317151	FILED 13-Jul- 2017	NUMBER 20190243070	DATE 5-May- 20
Rockley Photonics Limited	RPAT033US	MODE CONVERTER AND METHOD OF FABRICATING THEREOF	S	16317151	13-Jul- 2017	20190243070	
Rockley Photonics Limited	RPAT033US(N1)	MODE CONVERTER AND METHOD OF FABRICATING THEREOF	Sn	16865255	01-May- 2020	20200258791	
Rockley Photonics Limited	RPAT034US	HARDWARE EFFICIENT SYSTEM AND METHOD FOR LOAD BALANCING USING A RANDOM NUMBER	SN	15692875	31-Aug- 2017	20180074861A1	
Rockley Photonics Limited	RPAT035US	ELECTRO-OPTICALLY ACTIVE DEVICE	SN	16463203	23-Nov- 2017	20190377203	
Rockley Photonics Limited	RPAT035US(2)	ELECTRO-OPTICALLY ACTIVE DEVICE	SN	16766268	11-May- 2018	20200363662	
Rockley Photonics Limited	RPAT036US	COPACKAGING OF ASIC AND SILICON PHOTONICS	SN	15862463	04-Jan- 2018	2018-0196196	
Rockley Photonics Limited	RPAT036US(N1)	COPACKAGING OF ASIC AND SILICON PHOTONICS	SN	16505674	08-Jul- 2019	20200073050	
Rockley Photonics Limited	RPAT037US	OPTOELECTRONIC SWITCH	US	16487782	21-Feb- 2018	20200314511	
Rockley Photonics Limited	RPAT038US	MULTI-FIELD CLASSIFIER	SN	15879065	24-Jan- 2018	2018-0213067-A1	
Rockley Photonics Limited	RPAT039US	AVALANCHE PHOTODIODE STRUCTURE	NS	16613739	15-May- 2018	20210175384	
Rockley Photonics Limited	RPAT039US(N1)	AVALANCHE PHOTODIODE STRUCTURE	SN	17573589	11-Jan- 2022	20220140157	

Roc Pho	Rou Pho Lim	Pho Lim	Roc Pho Lim	Roc Pho Lim	Roc Pho Lim	Ro. Ph.	Pho Lim	Roc Pho Lim	Roc Pho Lim	Ro. Lim	98
Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	OWNER
RPAT049US(C2)	RPAT049US(C1)	RPAT049US	RPAT047US	RPAT046US	RPAT045US	RPAT042US(N2)	RPAT042US(N1)	RPAT042US	RPAT041US	RPAT040US	ROCKLEY REF
BROADBAND ARBITRARY WAVELENGTH	BROADBAND ARBITRARY WAVELENGTH MULTICHANNEL LASER SOURCE	BROADBAND ARBITRARY WAVELENGTH MULTICHANNEL LASER SOURCE	DRIVER FOR OPTICAL MODULATOR	LEAF SWITCH MODULE AND OPTOELECTRONIC SWITCH	RELIABLE LASER LIGHT SOURCE	T-SHAPED ARRAYED WAVEGUIDE GRATING	ARRAYED WAVEGUIDE GRATING WITH FREE PROPAGATION REGION MATCHING	T-SHAPED ARRAYED WAVEGUIDE GRATING	OPTOELECTRONIC SWITCH WITH REDUCED FIBRE COUNT	OPTICAL MODULATOR	ППЕ
SN	US	US	SN	US	US	US	US	SN	US	US	COUNTRY
17104929	17022901	16007896	15982928	16496337	15946345	16088387	16523987	15643399	16491561	16496934	APPLICATION NUMBER
25-Nov- 2020	16-Sep- 2020	13-Jun- 2018	17-May- 2018	22-Mar- 2018	05-Apr- 2018	08-Feb- 2018	26-Jul- 2019	06-Jul- 2017	05-Mar- 2018	22-Mar- 2018	DATE FILED
20210083457	20200412103	20180366915	2018-0341125	20200037055	2018-0294621	20190331853	20190346622	2018-0224603	20210144456	20200089076	PUBLICATION NUMBER
1	1	20-Oct- 20	24-Sep- 19	2-Feb-21	3-Sep-19	14-Sep- 21	23-Mar- 21	26-Nov- 19	1-Feb-22	24-Aug- 21	GRANT DATE
ABANDONED	ABANDONED	10811848	10423016	10911846	10404035	11119273	10955613	10488589	11240572	11099454	PATENT NUMBER

Rockley Photonics Limited Rockley Photonics	RPAT049US(C3) RPAT049US(C4) RPAT049US(N1) RPAT050US	MULTICHANNEL LASER SOURCE BROADBAND ARBITRARY WAVELENGTH MULTICHANNEL LASER SOURCE BROADBAND ARBITRARY WAVELENGTH MULTICHANNEL LASER SOURCE BROADBAND ARBITRARY WAVELENGTH MULTI- CHANNEL LASER SOURCE BROADBAND ARBITRARY WAVELENGTH MULTICHANNEL LASER SOURCE OPTOELECTRONIC DEVICE OPTOELECTRONIC DEVICE	US US US US	APPLICATION NUMBER 17172033 17172033 17327508 17519412 17675512 17675512 15700053	DATE FILED 09-Feb- 2021 21-May- 2021 04-Nov- 2021 18-Feb- 2022 08-Sep- 2017	PUBLICATION NIJINIBER 20210167583 20210281051 20220059996 20220029944	GRANT DATE 18 3-Sep-1	19
RPAT049US(N	1)	BROADBAND ARBITRARY WAVELENGTH MULTICHANNEL LASER SOURCE	Sn	17675512	18-Feb- 2022	20220200244	1	
RPAT05	SN0	OPTOELECTRONIC DEVICE	Sn	15700053	08-Sep- 2017		20-Nov- 18	'
RPATO	50US(C1)	OPTOELECTRONIC DEVICE	SN	16144994	27-Sep- 2018	20190041667	3-Sep-19	19
RPAT	RPAT050US(C2)	OPTOELECTRONIC DEVICE	SN	16420096	22-May- 2019	20190278111	16-Feb- 21	'
RPAT	RPAT052US(C1)	OPTOELECTRONIC DEVICE AND ARRAY THEREOF	Sn	16985008	04-Aug- 2020	20200363663	-	
RPAT	RPAT052US(C2)	OPTOELECTRONIC DEVICE AND ARRAY THEREOF	SN	17098290	13-Nov- 2020	20210080761	1	
RPA:	RPAT053US	OPTICAL SCANNER AND DETECTOR	US	16022525	28-Jun- 2018	2019-0004151	7-Sep-21	21

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics Limited	RPAT053US(C1)	OPTICAL SCANNER AND DETECTOR	Sn	17395252	05-Aug- 2021	1	ı	1
Rockley Photonics Limited	RPAT054US	OPTOELECTRONIC DEVICE	Sn	15700055	08-Sep- 2017	20190011799	22-Jan- 19	10185203
Rockley Photonics Limited	RPAT055US(C3)	ATHERMALIZED MULTI-PATH INTERFERENCE FILTER	SN	16986076	05-Aug- 2020	20200371291	,	ABANDONED
Rockley Photonics Limited	RPAT055US(C4)	ATHERMALIZED MULTI-PATH INTERFERENCE FILTER	SN	17073132	16-Oct- 2020	20210055479	,	ABANDONED
Rockley Photonics Limited	RPAT055US(C5)	ATHERMALIZED MULTI-PATH INTERFERENCE FILTER	SN	17150950	15-Jan- 2021	20210215881	,	ABANDONED
Rockley Photonics Limited	RPAT055US(C6)	ATHERMALIZED MULTI-PATH INTERFERENCE FILTER	US	17216538	29-Mar- 2021	20210215881	'	-
Rockley Photonics Limited	RPAT056US	INTEGRATED STRUCTURE AND MANUFACTURING METHOD THEREOF	Sn	16317171	13-Jul- 2017	20190244866	15-Jun- 21	11037839
Rockley Photonics Limited	RPAT056US(C1)	INTEGRATED STRUCTURE AND MANUFACTURING METHOD THEREOF	SN	17324953	19-May- 2021	20210335677	1	-
Rockley Photonics Limited	RPAT057US	RECONFIGURABLE SPECTROSCOPY SYSTEM	SN	16026953	03-Jul- 2018	2019-0011639	9-Jun-20	10677989
Rockley Photonics Limited	RPAT057US(D1)	RECONFIGURABLE SPECTROSCOPY SYSTEM	SN	16867372	05-May- 2020	US-2020- 0264377-A1	30-Mar- 21	10962718
Rockley Photonics Limited	RPAT058US	SPECTROSCOPY SYSTEM WITH BEAT COMPONENT	Sn	16370861	29-Mar- 2019	-	11-Aug- 20	10739256

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics Limited	RPAT058US(C1)	SPECTROSCOPY SYSTEM WITH BEAT COMPONENT	Sn	16917550	30-Jun- 2020	US2020-0333246 A1	6-Apr-21	10969334
Rockley Photonics Limited	RPAT059US	OPTOELECTRONIC MODULE PACKAGE	SN	16056340	06-Aug- 2018	20190044002	1-Feb-22	11239377
Rockley Photonics Limited	RPAT059US(C1)	OPTOELECTRONIC MODULE PACKAGE	Sn	17550924	14-Dec- 2021	20220109075	1	ı
Rockley Photonics Limited	RPAT060US	MODULE WITH TRANSMIT AND RECEIVE OPTICAL SUBASSEMBLIES WITH SPECIFIC PIC COOLING ARCHITECTURE	NS	16051237	31-Jul- 2018	20190041576	1-Sep-20	10761262
Rockley Photonics Limited	RPAT060US(C1)	MODULE WITH TRANSMIT OPTICAL SUBASSEMBLY AND RECEIVE OPTICAL SUBASSEMBLY	S	16945569	31-Jul- 2020	20200363585	1-Mar- 22	11262498
Rockley Photonics Limited	RPAT061US	BROADBAND STAR COUPLER	SN	16104083	16-Aug- 2018	20190056551	3-Aug-21	11079547
Rockley Photonics Limited	RPAT063US	SCHOTTKY PHOTODETECTOR	SN	16641142	20-Aug- 2018	20200176627	24-May- 22	11342475
Rockley Photonics Limited	RPAT064US	OPTICAL MODULATOR AND METHOD OF FABRICATING AN OPTICAL MODULATOR USING RARE EARTH OXIDE	SN	16641128	21-Aug- 2018	20200292854	30-Aug- 22	11428962
Rockley Photonics Limited	RPAT065US	ELECTRO-ABSORPTION MODULATOR	SN	16286533	26-Feb- 2019	20190293971	17-Nov- 20	10838240
Rockley Photonics Limited	RPAT066US	WAVEGUIDE MIRROR AND METHOD OF FABRICATING A WAVEGUIDE MIRROR	US	16368605	28-Mar- 2019	20190302366	5-May- 20	10641962

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT066US(C1)	WAVEGUIDE MIRROR AND	US	16866419	04-May-	20200264372	1	1
Photonics		METHOD OF FABRICATING A			2020			
Limited		WAVEGUIDE MIRROR						
Rockley	RPAT067US	OPTOELECTRONIC DEVICE	SN	16281035	20-Feb-	20190258094	28-Dec-	11209678
Photonics Limited					5107		71	
Rockley	RPAT067US(C1)	OPTOELECTRONIC DEVICE	SU	17540782	02-Dec-	20220163824	1	1
Photonics Limited					2021			
Rockley	RPAT068US	OPTOELECTRONIC DEVICE	SU	16408381	09-May-	20190346704	17-Aug-	11092825
Photonics Limited		INCLUDING ANTI-REFLECTIVE			2019		21	
בוווונכמ		MANUFACTURING THEREOF						
Rockley	RPAT069US	ELECTRO-OPTICALLY ACTIVE	SN	16463337	23-Nov-	20190377204	1-Jun-21	11022824
Photonics Limited		DEVICE			2017			
Rockley	RPAT071US	OPTICAL MODULATOR AND	US	16494675	15-Mar-	20200099454	5-Apr-22	11296794
Photonics Limited		METHOD OF USE			2018			
Rockley	RPAT072US	POROUS SILICON SENSOR	SU	16351331	12-Mar-	20190285552	7-Apr-20	10613033
Photonics Limited					2019			
Rockley	RPAT073US	DISTRIBUTED FEEDBACK	SU	16826122	20-Mar-	20200303891	1	-
Photonics Limited		LASER			2020			
Rockley	RPAT074US	POLARIZATION ROTATOR	US	16362528	22-Mar-	20190302361	2-Mar-	10935724
Photonics		WITH DIMENSIONED RIB			2019		21	
Limited		POLARIZATION STABILIZER						
Rockley	RPAT075US	ELECTRO-OPTICAL PACKAGE	SN	16382076	11-Apr-	20190317287	6-Jul-21	11054597
Photonics Limited		AND METHOD OF FABRICATION			2019			
Rockley	RPAT076US	OPTICAL ENGINE	US	16383309	12-Apr-	20190243164	17-May-	11333907
Photonics Limited					2019		22	

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics	RPAT077US	ELECTRO-OPTICAL PACKAGE AND MFTHOD OF	SN	16393763	24-Apr- 2019	20190333905	22-Dec- 20	10872854
Limited		FABRICATION					ļ	
Rockley	RPAT078US	III-V/SI HYBRID	SN	17055541	15-May-	20210111301	'	1
Photonics		OPTOELECTRONIC DEVICE			2019			
Limited		AND METHOD OF MANUFACTURE						
Rockley	RPAT079US	INTEGRATION OF PHOTONIC	SN	17055114	14-May-	20210271119	10-May-	11327343
Photonics Limited		COMPONENTS ON SOI PLATFORM			2019		22	
Rockley	RPAT080US	EFFICIENT AND FAST	SU	17054486	10-Nov-	20210191163	'	1
Photonics		HEATERS WITH THERMAL			2020			
Limited		ISOLATION						
Rockley	RPAT081US	WAVEGUIDE TYPE	SN	17059088	29-May- 2019	20210234058	1	1
Limited		METHOD OF MANUFACTURE			7010			
		THEREOF						
Rockley	RPAT082US	METHOD OF FABRICATING	SN	16999789	21-Aug-	20210057874	27-Jul-21	11075498
Photonics Limited		COMPONENT			2020			
Rockley	RPAT083US	METHOD FOR III-V/SILICON	SN	16532406	05-Aug-	20200041721	15-Jun-	11036005
Photonics Limited		HYBRID INTEGRATION			2019		21	
Rockley	RPAT083US(N1)	METHOD FOR III-V/SILICON	SN	17167065	03-Feb-	20210181437	5-Jul-22	11378762
Photonics Limited		HYBRID INTEGRATION			2021			
Rockley	RPAT084US	DAISY CHAIN CONTROL	SN	16566629	10-Sep-	20200081862	1-Jun-21	11023405
Photonics Limited		NETWORK WITH DATA GENERATORS AND TOKEN-			2019			
Rockley	RPAT085US	OPTOELECTRONIC	SU	16667831	29-Oct-	20200133034	28-Dec-	11209679
Photonics Limited		MODULATOR, PHOTONIC			2019		21	
		METHOD						

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT086US	OPTICAL COMPONENTS FOR	SN	17428580	06-Feb-	20220283308	1	1
Photonics Limited		IMAGING			2020			
Rockley Photonics	RPAT087US	OPTICAL COMPONENTS FOR SCANNING LIDAR	SN	17428594	06-Feb- 2020	20220128666	ı	-
	7000		-	1530300) 	10001	2	11011011
Rockley Photonics Limited	RFA I UXX UV	PN-JUNCTION PHASE MODULATOR IN A LARGE SILICON WAVEGUIDE PLATFORM	5	16393889	24-Apr- 2019	20200133091	9-JUI-21	110546/4
Rockley	RPAT088US(C1)	PN-JUNCTION PHASE	US	17352223	18-Jun-	20210311335	1	ABANDONED
Photonics Limited		MODULATOR IN A LARGE SILICON WAVEGUIDE PLATFORM			2021			
Rockley Photonics	RPAT089US	ROUTING PROTOCOL AND DISTRIBUTED ROUTER	SN	16875886	15-May- 2020	20210006495	30-Nov- 21	11190447
Rockley	RPATOGOLIS	OPTOELECTRONIC DEVICE		17317335	09-Dec-	20220050247	· [•
Photonics Limited		AND METHOD OF MANUFACTURE THEREOF	(2019			
Rockley Photonics Limited	RPAT091US	SWITCH WITH A SHUFFLE	US	16846213	10-Apr- 2020	20200329288	30-Nov- 21	11190860
Rockley Photonics Limited	RPAT092US	PHOTONIC BURIED INTERPOSER	SN	17296211	31-Mar- 2020	20220011509	-	
Rockley Photonics Limited	RPAT093US	FAN-OUT PACKAGE WITH RABBET	Sn	16690054	20-Nov- 2019	20200161243	12-Jul-22	11387186
Rockley Photonics Limited	RPAT094US	WDM RECEIVER AND METHOD OF OPERATION THEREOF	SN	17418669	18-Dec- 2019	20220077950	-	-
Rockley Photonics Limited	RPAT095US	OPTOELECTRONIC DEVICE AND METHOD	SN	17417296	18-Dec- 2019	20220075213	-	-

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUIVIBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT096US(N1)	OPTICAL PHASED ARRAY	US	16779526	31-Jan-	20200209909	1	1
Photonics		FOURIER TRANSFORM			2020			
Limited		PROCESSOR						
Rockley	RPAT097US	MEASUREMENT SYSTEM	SU	14843866	02-Sep-	-	13-Aug-	10379219
Photonics		USING CAMERA			2015		19	
Limited								
Rockley	RPAT098US	OPTICAL ENGINE	US	16836815	31-Mar-	20200225430	'	1
Photonics					2020			
Limited								
Rockley	RРАТ099US	INTERPOSER	SN	16899264	-nnf-11	20200400902	30-Aug-	11428882
Photonics					2020		22	
Rocklev	RPAT101US	FI FCTRO-OPTICALLY ACTIVE	IIS	16427247	30-Mav-	20190384073	10-Nov-	10831043
Photonics		DEVICE					20	
Limited								
Rockley Photonics	RPAT102US	ELECTRO-OPTIC MODULATOR	SN	17629299	23-Jul-	20220244581	•	-
Limited								
Rockley	RPAT111US	METHOD OF	SN	17002722	25-Aug-	20210066537	1	-
Photonics		MANUFACTURING A III-V			2020			
Limited		BASED OPTOELECTRONIC DEVICE						
Rocklev	RPAT114US	THROUGH MOLD VIA FRAME	US	17597473	06-Jan-	•	1	•
Photonics			;		2022			
Limited								
Rockley	RPAT115US	SILICON PHOTONIC	US	17596252	05-Dec-	20220310540	•	1
Photonics		INTERPOSER WITH TWO			2020			
Limited		METAL REDISTRIBUTION LAYERS						
Rocklev	RPAT118US	OPTICAL ISOLATOR	US	17595702	22-Mav-	20220244584	-	1
Photonics	7TA LLOCO	OF LICAL ISOCAL ON	C	1/393/02	2020	40024707707	1	1
Limited								
Rockley	RPAT120US	MULTILAYER METAL STACK	SN	16900714	-unf-71	20200393707	1-Mar-	11262603
Limited		HEALEX			2020		27	
Limited								

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT121US	FACEPLATE PLUGGABLE	SN	16988377	07-Aug-	20210044356	14-Sep-	11121776
Photonics Limited		REMOTE LASER SOURCE AND SYSTEM INCORPORATING SAME			2020		21	
Rockley	RPAT125US	OPTICAL MODE SPLITTER	SN	16880926	21-May- 2020	20210364698	1	-
Photonics Limited					2020			
Rockley	RPAT126US	INTEGRATED SELF-ALIGNED	SN	17504125	18-Oct-	20220122924	1	1
Photonics Limited		ASSEMBLY			2021			
Rockley	RPAT129US	INTEGRATED III-V / SILICON	SN	17104670	25-Nov-	20210181546	-	-
Photonics Limited		OPTOELECTRONIC DEVICE AND METHOD OF			2020			
		MANUFACTORE THEREOF						
Photonics	RFAT130U3	AND METHOD OF	S	1/09/13	2020	202101411/2	1	1
Photonics Limited	RFA LISSUS	PROCESS AND DEVICES	Ç	1/318834	12-IVIAY- 2021	20210356653	1	1
Rockley	RPAT141US	CO-PACKAGED OPTICS AND	SN	16824609	19-Mar-	20200219865	30-Mar-	10962728
Photonics Limited		TRANSCEIVER			2020		21	
Rockley	RPAT145US	DEVICE COUPON AND	SN	17203274	16-Mar-	20210311256	-	-
Photonics Limited		METHOD OF FABRICATION THEREOF			2021			
Rockley	RPAT147US	SILICON GRATING WITH	SN	17230864	14-Apr-	20210325609	1	1
Photonics Limited		AMORPHOUS SILICON PERTURBATION			2021			
Rockley Photonics	RPAT153US	OPTOELECTRONIC DEVICE AND METHOD OF	SN	17364837	30-Jun- 2021	88651002202	1	-
Rockley Photonics	RPAT154US	ENHANCED BANDWIDTH INTERCONNECT	SN	17362892	29-Jun- 2021	20220013879	1	1
Limited								

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT156US	OPTOELECTRONIC DEVICE	SN	17439297	12-Nov-	20220155521	1	1
Photonics		AND METHOD OF			2020			
Limited		MANUFACTURE THEREOF						
Rockley	RPAT162US	ELECTRO-OPTICAL PACKAGE	SN	17550886	14-Dec-	20220189841	1	1
Photonics		AND METHOD OF			2021			
Limited		FABRICATION						
Rockley	RPAT165US	CURVILINEAR DESIGN	SN	17512374	27-Oct-	20220138392	1	1
Photonics Limited		ADJUSTMENT AT ACUTE- ANGLED TIP			2021			
Rockley	RPAT171US	METHOD AND APPARATUS	SN	11560361	16-Nov-	US2008/0120052	4-Nov-08	7446878
Photonics		FOR IMPROVEMENT OF			2006			
בוווונים מ		AND MULTIVARIATE						
Rockley	RPAT172US(N10)	SYSTEM FOR NONINVASIVE	SU	13444989	12-Apr-	20120197096	20-May-	8730047
Photonics		DETERMINATION OF			2012		14	
Limited		ANALYTES IN TISSUE						
Rockley	RPAT172US(N3)	APPARATUSES FOR	SN	12107764	23-Apr-	20080208018	12-Nov-	8581697
Limited		DETERMINATION OF IN VIVO			ļ		ļ	
		ALCOHOL CONCENTRATION						
		USING RAMAN SPECTROSCOPY						
Rockley	RPAT172US(N4)	METHODS FOR NONINVASIVE	SN	12107765	23-Apr-	20090234204	-8nY-07	8515506
Photonics		DETERMINATION OF IN VIVO			2008		13	
Lillined		USING RAMAN						
		SPECTROSCOPY						
Rockley	RPAT172US(N5)	APPARATUS AND METHODS	SN	11305964	19-Dec-	20070142720	13-Jul-10	7756558
Photonics		FOR MITIGATING THE			2005			
Limited		EFFECTS OF FOREIGN						
		INTERFERENTS ON ANALYTE						
		SPECTROSCOPY						
Rockley Photonics	RPAT172US(N6)	APPARATUS AND METHOD FOR NONINVASIVELY	SN	11515565	05-Sep- 2006	20070073118	10-Nov- 09	7616123
Limited		MONITORING FOR THE						

OWNER	ROCKLEY REF	ТПСЕ	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
		PRESENCE OF ALCOHOL OR						
		SUBSTANCES OF ABUSE IN						
		CONTROLLED ENVIRONMENTS						
Rockley	RPAT172US(N7)	APPARATUS AND METHOD	US	11393341	30-Mar-	20060173256	10-Jan-	8095193
Photonics		FOR CONTROLLING			2006		12	
Limited		OPERATION OF VEHICLES OR						
		MACHINERY BY INTOXICATED						
		OR IMPAIRED INDIVIDUALS						
Rockley	RPAT172US(N8)	METHOD OF MAKING	US	12185224	04-Aug-	20090003764	7-Dec-10	7848605
Photonics		OPTICAL PROBES FOR NON-			2008			
Limited		INVASIVE ANALYTE MEASUREMENTS						
Rockley	RPAT172US(N9)	SYSTEM FOR NONINVASIVE	SN	12562050	17-Sep-	20100010325	8-May-	8174394
Photonics		DETERMINATION OF			2009		12	
Limited		ANALYTES IN TISSUE						
Rockley Photonics	RPAT179US(P)	OPTICAL OUT-COUPLER UNIT	SN	63188359	13-May- 2021	-	1	-
Limited		FROM A WAVEGUIDE						
Rockley	RPAT180US(P)	MINIMIZING PHASE	US	63175518	15-Apr-	1	1	1
Photonics		VARIATION FOR INCREASING			2021			
Limited		YIELD OF INTEGRATED UNBALANCED MACH-						
		ZEHNDER INTERFEROMETERS						
Rockley	RPAT184US	COMPACT WAVEGUIDE	SN	17684265	01-Mar-	20220283369	1	1
Photonics		TAPER AND WAVEGUIDE			2022			
Limited		CRUSSING						
Rockley	RPAT186US	OPTOELECTRONIC DEVICE	US	17349835	16-Jun-	20210311333	•	•
Photonics Limited		AND ARRAY THEREOF			2021			
Rockley	RPAT190HS(P)	INTEGRATED REDITIOED	IIS	63186704	10-May-	•	'	•
Rockley Photonics Limited	RPAT190US(P)	INTEGRATED REDUCED COHERENCE-LENGTH LASER	US	63186/04	10-May- 2021	1	•	1
Rockley Photonics	RPAT190US(P)	INTEGRATED REDUCED- COHERENCE-LENGTH LASER	SN	63309316	11-Feb- 2022	,	1	•

OWNER	ROCKLEY REF	ППЕ	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT191US(P)	TRANSMITTER PHOTONIC	US	63215345	25-Jun-	-	1	-
Photonics		INTEGRATED CIRCUIT			2021			
Rockley	RPAT192US(P)	III-V/SOI HYBRID DP-QPSK	US	63170990	05-Apr-	•	'	•
Photonics		MODULATORS FABRICATED			2021			
Limited		BY MTP TECHNOLOGY						
Rockley	RPAT194US(P)	HIGH SPEED, ACOUSTO-	SN	63188390	13-Мау-	-	1	1
Photonics Limited		OPTIC LASER FREQUENCY DISCRIMINATOR			2021			
Rockley	RPAT195US(P)	GLASS BONDING FIXTURE	US	63187845	12-May-	•	'	'
Photonics Limited		FOR III-V ON SILICON PIC			2021			
Rockley	RPAT196US(P)	A CHIP-SCALE EXTERNAL	SN	63195636	01-Jun-	1	1	1
Limited		ECHELLE GRATING			1707			
		REFLECTOR			-			
Photonics	RPAT197US(P)	LIDAR AND SPECTROSCOPIC	U.	63215925	28-Jun- 2021	1	'	1
Limited		SENSOR						
Rockley Photonics	RPAT200US(P)	PHOTONIC INTEGRATED CIRCUIT	SN	63227227	29-Jul-	-	-	-
Lilling								
Rockley	RPAT201US(P)	PHOTODIODE FOR	SN	63229431	04-Aug- 2021	1	1	•
Limited								
Rockley	RPAT202US(P)	ARCHITECTURE OF A	SU	63280989	18-Nov-	1	1	1
Photonics		PHOTONIC INTEGRATED			2021			
Limited		OF OPERATING THE SAME						
Rockley	RPAT203US(P)	OPTICAL RECEIVER	SN	63243021	10-Sep-	-	_	-
Limited					1,707			
Rockley	RPAT204US(P)	SYSTEM FOR METHOD FOR	SN	63230590	-8nV-90	1	-	1
Limited								

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT205US(P)	HEALTH STATE ESTIMATION	US	63239857	01-Sep-	1	1	1
Photonics Limited		USING MACHINE LEARNING			2021			
Rockley	RPAT207US(P)	METHOD OF SELF-	US	63253054	06-Oct-	1		1
Photonics		CALIBRATION FROM			2021			
Limited		UNLABELLED DATA						
Rockley Photonics	RPAT208US(P)	SPECTROSCOPIC SENSOR FOR MACHINES	SN	63315776	02-Mar- 2022	1	1	ı
Limited								
Rockley	RPAT209US(P)	COUPLING FOR EAM AND	SN	63247297	22-Sep-	-	-	1
Limited		DFB LASER			1707			
Rockley	RPAT210US(P)	POLARIZATION SPLITTER AND	SN	63322012	21-Mar-	1	'	1
Photonics Limited		ROTATOR			2022			
Rockley	RPAT211US(P)	SYSTEMS AND METHODS FOR	SN	63251444	01-0ct-	1	'	1
Photonics Limited		IMPROVED SENSOR ALGORITHMS			2021			
Rockley Photonics	RPAT211US(P2)	SYSTEMS AND METHODS FOR IMPROVED SENSOR	SN	63291282	17-Dec- 2021	-	1	-
בוווונממ		0000						
Rockley Photonics	RPAT212US(P)	COMPUTER-IMPLEMENTED METHOD FOR A WEARABLE	S	63279633	15-Nov- 2021	1	'	1
Pocklov	DDAT212(IC/D)	A COMBINED OPTICAL		62770027	16-Nov-			
Photonics Limited	RPA 21305(P)	SENSOR MODULE	S	032/9932	16-NOV- 2021	,	1	1
Rockley	RPAT214US(P)	DEFORMABLE MEMBRANE	SN	63280993	18-Nov-	1	'	1
Photonics Limited		REFLECTOR			2021			
Rockley	RPAT215US(P)	MODULE-SKIN INTERFACE	SN	63280996	18-Nov-	1	ı	1
Limited					1707			

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT216US(P)	WAVELENGTH MONITORING	US	63283375	26-Nov-	1	1	ı
Photonics Limited		AND CONTROL ON A PHOTONIC INTEGRATED CIRCUIT			2021			
Rockley	RPAT217US(P)	INTEGRATION OF MULTI-	US	63291814	20-Dec-	1	'	1
Photonics Limited		MODE DEMUX WITH SINGLE- MODE HSPD THROUGH			2021			
		MULTI-MODE POWER SPLITTER						
Rockley	RPAT218US(P)	FABRI-PEROT BASED MULTI	SN	63292341	21-Dec-	1	'	1
Photonics Limited		RESONANT CAVITY TUNABLE LASER			2021			
Rockley Photonics	RPAT219US(P)	INTERLEAVED EG-BASED BROADBAND MULTIPLEXING	SN	63292346	21-Dec- 2021	•	1	1
בווווונים מ								
Photonics	NFA I ZZOOJ(F)	TRANSMITTER WITH	C	03300320	19-Jan- 2022	•		1
Limited		HETEROGENEOUS III-V U-						
		BEND EAMS AND COHERENT QPSK RECEIVER						
		IMPLEMENTED IN A MULTI-						
		MICRON SILICON PHOTONICS PLATFORM WITH 4X4 MIMI						
Rockley	RPAT223US(P)	HUMAN-COMPUTER	SN	8321328	18-Mar-	•	•	•
Photonics Limited		SYSTEM WITH SENSOR			2022			
Rockley	RPAT224US(P)	INTEGRATION SOLUTIONS	US	63324103	27-Mar-	1	1	1
Photonics		FOR ISVS			2022			
- (
Photonics		RANDOM DIFFLISERS FOR	ć	0.7747.00	20-IVIAI - 2022		ı	J
Limited		SPECKLE NOISE MITIGATION						
		IN MULTIPLEXED LASER						
		SPECIRUSCOPY						

2022 at Reel/Frame 7736/0100, as follows: Acknowledgement of Trademark Security Interest that was recorded with the United States Patent and Trademark Office on May 27,

TRADEMARKS

Owner	Jurisdiction Name	Mark Text	Mark image	Application Number	Application Date	Granted Right Number	Grant Date	Class
Rockley Photonics Limited	United States of America	ROCKLEY	> TOPANOA	90732561	25/05/2021	1	'	9, 10, 42
Rockley Photonics Limited	United States of America	VITALSPEX	VIXALSPEX VixitSpex	97330845	25/03/2022	1	'	9, 42
Rockley Photonics Limited	United States of America	TOPANGA		79222674	18/08/2017	5552754	4/9/2018	9, 42
Rockley Photonics Limited	United States of America	ROCKLEY		79212601	19/09/2016	5582684	16/10/2018	9, 42
Rockley Photonics Limited	United States of America	RayDriver		79280138	9/12/2019	6263405	9/2/2021	9, 42

[Annex II to Release of Security Interest in Intellectual Property Collateral]

Acknowledgement of Patent Security Interest that was recorded with the United States Patent and Trademark Office on October 4, 2022 at Reel/Frame 061604/0025, as follows:

PATENTS

PATENT REEL: 063117 FRAME: 0588

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics Limited	RPAT213US	OPTICAL SENSOR MODULE	Sn	17711974	01-Apr- 2022	1	1	1
Rockley Photonics Limited	RPAT192US	PHASE SHIFT KEYING MODULATOR	SN	17711965	01-Apr- 2022	20220317539	-	,
Rockley Photonics Limited	RPAT213US(C1)	OPTICAL SENSOR MODULE	Sn	17934502	22-Sep- 2022	•	1	,
Rockley Photonics Limited	RPAT071US(N1)	OPTICAL MODULATOR AND METHOD OF USE	Sn	17712036	01-Apr- 2022	20220229340	,	'
Rockley Photonics Limited	RPAT190US(P3)	INTEGRATED REDUCED- COHERENCE-LENGTH LASER	SN	63328529	07-Apr- 2022	•	_	,
Rockley Photonics Limited	RPAT059US(N1)	OPTOELECTRONIC MODULE PACKAGE	US	17732471	28-Apr- 2022	•	,	,
Rockley Photonics Limited	RPAT155US(N1)	METHOD, DEVICE WAFER, AND OPTOELECTRONIC DEVICE	US	17733947	29-Apr- 2022	•	-	,
Rockley Photonics Limited	RPAT192US(N1)	PHASE SHIFT KEYING MODULATOR	SN	17734962	02-May- 2022	20220326588	-	1
Rockley Photonics Limited	RPAT227US(P)	DIALYSIS MONITORING SYSTEM	SN	63337552	02-May- 2022	•	_	,

[Annex II to Release of Security Interest in Intellectual Property Collateral]

OWNER	ROCKLEY REF	ППЕ	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT228US(P)	DIALYSIS MONITORING	NS	63337525	02-May-	1	1	1
Photonics		SYSTEM WITH WEARABLE			2022			
Rockley	RPAT195US	BONDING FIXTURE	US	17742095	11-May-	1	•	1
Photonics Limited					2022			
Rockley	RPAT194US	OPTICAL INSTRUMENT AND	SN	17743427	12-May-	1	-	1
Limited		WAVELENGTH OF LIGHT			1011			
		GENERATED BY AN LIGHT						
		SOURCE, AND OPTICAL						
		OPTICAL INSTRUMENT						
Rockley	RPAT179US	OPTICAL OUT-COUPLER UNIT	SN	17744108	13-May- 2022	•	1	1
Limited		FROM A WAVEGUIDE						
Rockley Photonics	RPAT156US(N1)	OPTOELECTRONIC DEVICE AND METHOD OF MANUFACTURE	SN	17748639	19-May- 2022	20220276438	ı	1
Limited		THEREOF			1			
Rockley	RPAT230US(P)	TEST PART WITH ALIGNMENT	SN	63345284	24-May-	,	•	1
Limited		ALIGNMENT ERRORS			1			
Rockley Photonics	RPAT222US(P)	SYSTEM FOR SPECTROMETRY AND SPECTROPHOTOMETRY	SN	63346300	2022 	•	-	1
Limited								
Rockley	RPAT231US(P)	FOLDED MACH-ZEHNDER	SN	63346297	26-May-	1	-	1
Photonics Limited		INTERFEROMETER			2022			
Rockley	RPAT196US	LASER WITH WAVELENGTH-	SN	17829030	31-May-	•	1	•
Photonics Limited		SELECTIVE REFLECTOR			2022			
Rockley Photonics	RPAT194US(N1)	OPTICAL INSTRUMENT AND METHOD FOR DETERMINING A	NS	17832509	03-Jun- 2022	1	1	,
		GENERATED BY A LIGHT SOURCE, AND OPTICAL						

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
		SYSTEM COMPRISING THE OPTICAL INSTRUMENT						
Rockley Photonics Limited	RPAT229US(P)	ECHELLE GRATINGS WITH A SHARED FREE PROPAGATION REGION	Sn	63366050	08-Jun- 2022	,	1	1
Rockley Photonics Limited	RPAT233US(P)	CALIBRATION METHOD AND APPARATUS FOR OPTICAL SENSOR	Sn	63351316	10-Jun- 2022	•	1	•
Rockley Photonics Limited	RPAT234US(P)	SPECKLE MITIGATION USING AN ARRAY OF SUSPENDED SI NANO-BEAMS	Sn	63366186	10-Jun- 2022	•	1	1
Rockley Photonics Limited	RPAT235US(P)	SURFACE RELIEVED NANOSTRUCTURE FOR LASER SPECKLE NOISE MITIGATION	Sn	63351288	10-Jun- 2022	•	,	1
Rockley Photonics Limited	RPAT176US	THERMOSONIC BONDING FOR SECURING PHOTONIC COMPONENTS	Sn	17839405	13-Jun- 2022	•	,	1
Rockley Photonics Limited	RPAT209US	OPTOELECTRONIC DEVICE	SN	17848328	23-Jun- 2022	_	1	1
Rockley Photonics Limited	RPAT197US	SENSING SYSTEM	SN	17850881	27-Jun- 2022	•	•	•
Rockley Photonics Limited	RPAT083US(N2)	METHOD FOR III-V/SILICON HYBRID INTEGRATION	SN	17858021	2022 201	_	1	•
Rockley Photonics Limited	RPAT193US	SEMICONDUCTOR PHOTODIODE	SN	17862338	11-Jul- 2022	-	1	•
Rockley Photonics Limited	RPAT200US	PHOTONIC INTEGRATED CIRCUIT	Sn	17814787	25-Jul- 2022		•	1

Rockiew Inmited RPATZOJUS PHOTODIODE FOR WEARABLE LIMITED US 17816900 02-Aug: 2022	OWNER	ROCKLEY REF	тпъе	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
RPATIZOUUS SYSTEM AND METHOD FOR SUBJECT US 17817321 202.2	Rockley Photonics	RPAT201US	PHOTODIODE FOR WEARABLE DEVICES	SN	17816900	02-Aug- 2022	1	1	1
RPATZ3CAUS SYSTEM AND METHOD FOR SUBJECT US 17817321 O3-Aug O3-	Limited								
RPAT232US(P) DEVICE COUPON AND DEVICE CO	Rockley	RPAT204US	SYSTEM AND METHOD FOR	SN	17817321	03-Aug-	-	_	-
RPAT232US(P) DEVICE COUPON AND OPTOELECTRONIC DEVICE US 17886409 2022	Limited		SUBJECT A SENSON ON A			2022			
RPATZ37US METHOD OF SELF- US 17886409 11-Aug-	Rockley	RPAT232US(P)	DEVICE COUPON AND	SN	63395718	05-Aug-	-	1	1
RPATZOTUS	Photonics Limited		OPTOELECTRONIC DEVICE			2022			
CALIBRATION HOW CALIBRATION HOW CALIBRATION CALIBR	Rockley	RPAT207US	METHOD OF SELF-	SN	17886409	11-Aug-	•	'	•
RPAT237US(P) WEARABLE DEVICE US 63371732 17-Aug. 2022	Limited		CALIBRATION FROM UNLABELED DATA			2022			
RPDP001US WEARABLE ELECTRONIC US 29850201 17-Aug-	Rockley	RPAT237US(P)	WEARABLE DEVICE	SN	63371732	17-Aug-	•	'	1
RPDPO01US WEARABLE ELECTRONIC US 29850201 17-Aug.	Photonics Limited					2022			
RPAT239US(P) OPTICAL INTERFACE WITH DEFORMABLE MIRROR US 63400713 24-Aug. 2022	Rockley Photonics Limited	RPDP001US	WEARABLE ELECTRONIC DEVICE (DESIGN PATENT)	SN	29850201	17-Aug- 2022	•	-	•
RPAT237US(P2) WEARABLE BAND US 63373853 29-Aug- 2022	Rockley Photonics Limited	RPAT239US(P)	OPTICAL INTERFACE WITH DEFORMABLE MIRROR	SN	63400713	24-Aug- 2022	,	-	-
RPAT205US HEALTH STATE ESTIMATION US 17823505 30-Aug- 2022 - - - RPAT236US(P) LASER US 63402637 31-Aug- 2022 - - - RPAT238US(P) INTEGRATED MIRROR WITH INSITU MONITOR US 63374692 06-Sep- 2022 - - -	Rockley Photonics Limited	RPAT237US(P2)	WEARABLE BAND	SN	63373853	29-Aug- 2022	,	-	-
RPAT236US(P) LASER US 63402637 31-Aug- 2022 - - - RPAT238US(P) INTEGRATED MIRROR WITH US 63374692 06-Sep- 2022 - - -	Rockley Photonics Limited	RPAT205US	HEALTH STATE ESTIMATION USING MACHINE LEARNING	SN	17823505	30-Aug- 2022	•	-	•
RPAT238US(P) INTEGRATED MIRROR WITH US 63374692 06-Sep	Rockley Photonics Limited	RPAT236US(P)	LASER	SN	63402637	31-Aug- 2022	•	-	•
	Rockley Photonics Limited	RPAT238US(P)	INTEGRATED MIRROR WITH INSITU MONITOR	Sn	63374692	06-Sep- 2022	,	•	-

OWNER	ROCKLEY REF	ППЕ	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics Limited	RPAT079US(C1)	INTEGRATION OF PHOTONIC COMPONENTS ON SOI PLATFORM	NS	17738945	06-May- 2022	20220260863	1	1
Rockley Photonics Limited	RPAT131US	OPTICAL MULTIPLEXER	Sn	17755969	12-May- 2022		,	1
Rockley Photonics Limited	RPAT134US	GROWTH DEFECT REDUCTION AT GRATING TRANSITION	Sn	17756808	02-Jun- 2022		,	1
Rockley Photonics Limited	RPAT166US	OPTICAL SENSING MODULE	Sn	17757130	09-Jun- 2022	•	1	
Rockley Photonics Limited	RPAT166US(C1)	OPTICAL SENSING MODULE	Sn	17806254	09-Jun- 2022		1	1
Rockley Photonics Limited	RPAT127US	PACKAGING OF THREE- DIMENSIONAL INTEGRATED CIRCUIT BY ENCAPSULATION WITH COPPER POSTS AND DOUBLE SIDED REDISTRIBUTION LAYER	SN	17757823	21-Jun- 2022	-	-	-
Rockley Photonics Limited	RPAT083US(C1)	METHOD FOR III-V/SILICON HYBRID INTEGRATION	Sn	17856864	01-Jul- 2022	•	1	1
Rockley Photonics Limited	RPAT140US	SOURCE WAFER AND METHOD PREPARATION THEREOF	Sn	17791524	1	•	1	1
Rockley Photonics Limited	RPAT133US	DEMULTIPLEXER	SN	17793914	19-Jul- 2022	•	-	1
Rockley Photonics Limited	RPAT137US	FREQUENCY SHIFTER FOR HETERODYNE INTERFEROMETRY MEASUREMENTS AND DEVICE FOR HETERODYNE INTERFEROMETRY	Sn	17757048	08-Jun- 2022	'	-	-

Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited		OWNER
RPAT203US(C1)	RPAT122US	RPAT100US	RPAT143US	RPAT138US		ROCKLEY REF
OPTICAL SPECKLE RECEIVER	TRANSFER DIE FOR MICRO- TRANSFER PRINTING	WAVEGUIDE PLATFORM	PHOTONIC MODULE AND METHOD OF MANUFACTURE	OPTICAL DEVICE FOR HETERODYNE INTERFEROMETRY	MEASUREMENTS HAVING SUCH A FREQUENCY SHIFTER	TITLE
SN	Sn	Sn	Sn	Sn		COUNTRY
17822419	17904583	17798821	17798525	17757037		APPLICATION NUMBER
25-Aug- 2022	18-Aug- 2022	10-Aug- 2022	09-Aug- 2022	08-Jun- 2022		DATE FILED
-	-		-	•		PUBLICATION NUMBER
1	1	-	1	1		GRANT DATE
•	-	-	•	•		PATENT NUMBER

Acknowledgement of Patent Security Interest that was recorded with the United States Patent and Trademark Office on October 15, 2022 at Reel/Frame 061435/0367, as follows:

PATENTS

Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	OWNER
RPAT117US	RPAT116US	RPAT113US	RPAT203US	RPAT188US	RPAT182US	RPAT183US	RPAT112US	RPAT124US	ROCKLEY REF
LINEARIZED MODULATOR	OPTICAL RING MODULATOR	OPTICAL MODULATOR AND METHOD OF FABRICATING AN OPTICAL MODULATOR	OPTICAL SPECKLE RECEIVER	WAVEGUIDE HEATER	HIGHER ORDER MODE FILTER	WAVEGUIDE FACET INTERFACE	SILICONIZED HETEROGENEOUS OPTICAL ENGINE	OPTOELECTRONIC DEVICE AND METHOD OF MANUFACTURING AN OPTOELECTRONIC DEVICE	TITLE
SN	NS	US	Sn	US	US	US	US	US	COUNTRY
17753241	17753231	17753193	17703920	17695451	17687144	17687068	17641418	17640994	APPLICATION NUMBER
25-Aug-2020	25-Aug-2020	25-Aug-2020	24-Mar-2022	15-Mar-2022	04-Mar-2022	04-Mar-2022	08-Mar-2022	07-Mar-2022	DATE FILED
20220299836	20220291531	20220276512	-	20220299704	20220283367	20220283365	-	-	PUBLICATION NUMBER
•	1	1	-	•	1	-	1	-	GRANT DATE
'	1	ı	1	1	1	1	1	'	PATENT NUMBER

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Roc Phc Lim	Roc Phc Lim	Roc Phc Lim	Roc Phc Lim	WO
Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	OWNER
RPAT226US(P)	RPAT059US(P)	RPAT049US(P)	RPAT119US	ROCKLEY REF
PIC WITH INTEGRATED GRIN LENSES	OPTOELECTRONIC MODULE PACKAGE	BROADBAND ARBITRARY WAVELENGTH MULTICHANNEL LASER SOURCE	OPTICAL MODULATOR	TITLE
SO	US	US	Sn	COUNTRY
63325934	62542074	62519754	17753276	APPLICATION NUMBER
31-Mar-2022	07-Aug-2017	14-Jun-2017	25-Aug-2020	DATE FILED
•	20220262962	20220059996	,	PUBLICATION NUMBER
1	1	1	•	GRANT DATE
1	,	,	1	PATENT NUMBER

Acknowledgement of Patent Security Interest that was recorded with the United States Patent and Trademark Office on October 25, 2022 at Reel/Frame 061767/0154, as follows:

PATENTS

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics Limited	RPAT142US	SWITCH ASSEMBLY	SO	17909344	05-Mar- 2021			
Rockley Photonics Limited	RPAT167US	COUPON WAFER AND METHOD OF PREPARATION THEREOF	SN	17911111	16-Mar- 2021			
Rockley Photonics Limited	RPAT198US	Source wafer, method, and optoelectronic devices	SN	17938282	05-Oct- 2022			
Rockley Photonics Limited	RPAT199US	Photonic pressure sensor	Sn	17938328	05-Oct- 2022			
Rockley Photonics Limited	RPAT211US	SYSTEMS AND METHODS FOR IMPROVED SENSOR ALGORITHMS	Sn	17937444	30-Sep- 2022	•	1	•
Rockley Photonics Limited	RPAT221US(P)	FORK COUPLER	S	63377693	29-Sep- 2022	•	•	•
Rockley Photonics Limited	RPAT241US(P)	STAMP	S	63378044	30-Sep- 2022	•	•	•
Rockley Photonics Limited	RPAT242US(P)	Method of micro-transfer printing	Sn	63380361	20-Oct- 2022	,	1	•
Rockley Photonics Limited	RPAT244US(P)	Two-module wearable device	S	63379282	12-Oct- 2022	,	1	'

[Annex II to Release of Security Interest in Intellectual Property Collateral]

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Acknowledgement of Patent Security Interest that was recorded with the United States Patent and Trademark Office on October 25, 2022 at Reel/Frame 061768/0082, as follows:

PATENTS

Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	OWNER
RPAT007US	RPAT006US	RPAT005US(C1)	RPAT005US	RPAT003US(N2)	RPAT003US	RPAT002US(C1)	RPAT002US	RPAT001US	ROCKLEY REF
OPTICAL BRIDGE	DETECTOR REMODULATOR AND OPTOELECTRONIC SWITCH	DETECTOR REMODULATOR AND OPTOELECTRONIC SWITCH	DETECTOR REMODULATOR AND OPTOELECTRONIC SWITCH	OPTOELECTRONIC DEVICE	DETECTOR REMODULATOR	TUNABLE SOI LASER	TUNABLE SOI LASER	TUNABLE SOI LASER	TITLE
SN	SN	SN	SN	SN	SN	SN	SN	SN	COUNTRY
14868116	15120861	15256321	14827200	15833990	14629922	15042803	14601107	14601101	APPLICATION NUMBER
28- Sep- 2015	24- Feb- 2015	02- Sep- 2016	14- Aug- 2015	06- Dec- 2017	24- Feb- 2015	12- Feb- 2016	20-Jan- 2015	20-Jan- 2015	DATE
20160091665	2017-0078772	2016-0373843	2016-0080844	20180101082	2015-0277157	2016-0164246	2015-0207291	2015-0207296	PUBLICATION NUMBER
24-Jan- 17	12-Mar- 19	30-May- 17	6-Sep-16	5-Mar-19	6-Dec-16	23-May- 17	23-Feb- 16	19-Jan- 16	GRANT DATE
9551838	10231038	9668037	9438970	10222677	9513498	9660411	9270078	9240673	PATENT NUMBER

[Annex II to Release of Security Interest in Intellectual Property Collateral]

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics	RPAT008US	OPTOELECTRONIC SWITCH	US	14639041	04- Mar-	2016-0091666	16-Aug- 16	9417396
Limited					2015			
Rockley	RPAT010US	WAVEGUIDE MODULATORS	SN	15555431	04-	2018-0046057-A1	29-Jan-	10191350
Limited		מוסטכוסקבט			2016		F	
Rockley	RPAT010US(N1)	WAVEGUIDE MODULATOR	SU	15927943	21-	2018-0217469-A1	26-Feb-	10216059
Photonics Limited		STRUCTURES			Mar- 2018		19	
Rockley	RPAT010US(N2)	WAVEGUIDE MODULATOR	SN	16231257	21-	20190146304	9-Jun-20	10678115
Limited		SIRUCIURES			Dec- 2018			
Rockley	RPAT010US(N3)	WAVEGUIDE MODULATOR	SU	16550141	23-	20200124878	19-0ct-	11150494
Photonics Limited		STRUCTURES			Aug- 2019		21	
Rockley Photonics	RPAT011US	OPTOELECTRONIC SWITCH	SN	14715448	18- May-	2016-0094487	3-0ct-17	9781059
Limited					2015			
Rockley	RPAT011US(C1)	OPTOELECTRONIC SWITCH	SN	15696145	05-	2018-0063029	8-May-	9967208
Photonics Limited					Sep- 2017		18	
Rockley Photonics	RPAT012US	ELECTRONIC/PHOTONIC CHIP INTEGRATION AND BONDING	SN	14752476	26-Jun- 2015	2016-0131862	17-Apr- 18	9946042
Rockley Photonics Limited	RPAT012US(C1)	ELECTRONIC/PHOTONIC CHIP INTEGRATION AND BONDING	SN	15914981	07- Mar- 2018	2018-0196210	23-Jul-19	10359588
Rockley Photonics Limited	RPAT013US	INTERPOSER BEAM EXPANDER CHIP	SN	14789489	01-Jul- 2015	2017-0003450	11-Jun- 19	10317620
Rockley Photonics Limited	RPAT014US	BURST-MODE RECEIVER	US	14813081	29-Jul- 2015	2017-0034607	11-Apr- 17	9621972

Rockley Photonics Limited Rockley Photonics Limited	ROCKLEY REF RPAT015US RPAT016US	OPTOELECTRONIC SWITCH SYSTEM AND METHOD FOR ROUTING	US	APPLICATION NUMBER 15317897 15279267	DATE FILED 29- Sep- 2016 28- Sep- 2016	PUBLICATION NIJIMBER 2017-0289652 2017-0093717	GRANT DATE 24-Jul-18 12-Feb- 19	PATENT NUMBER 10034069 10205664
Rockley Photonics Limited	RPAT017US(N1)	DISCRETE WAVELENGTH TUNABLE LASER	Sn	15488400	14- Apr- 2017	2017-0222398	12-Jun- 18	9997890
Rockley Photonics Limited	RPAT018US	OPTOELECTRONIC COMPONENT	Sn	15321723	10- Nov- 2016	2017-0299902	23-Mar- 21	10955692
Rockley Photonics Limited	RPAT019US	OPTOELECTRONIC SWITCH	Sn	15072314	16- Mar- 2016	2017-0041691	11-Jul-17	9706276
Rockley Photonics Limited	RPAT019US(C1)	OPTOELECTRONIC SWITCH	SN	15644710	07-Jul- 2017	2017-0366884	12-Feb- 19	10206019
Rockley Photonics Limited	RPAT021US	DISCRETE WAVELENGTH TUNABLE LASER	SN	16077437	17- Feb- 2017	20190052057A1	17-Mar- 20	10594109
Rockley Photonics Limited	RPAT022US	TUNABLE LASER	NS	15999104	17- Feb- 2017	20190341740	16-Nov- 21	11177627
Rockley Photonics Limited	RPAT023US	OPTOELECTRONIC SWITCH	SN	15390348	23- Dec- 2016	2017-0117966	26-Nov- 19	10491973
Rockley Photonics Limited	RPAT024US	SYSTEM AND METHOD FOR LINE CODING	US	15425999	06- Feb- 2017	2017-0230143	25-Sep- 18	10084570
Rockley Photonics Limited	RPAT025US	SYNCHRONIZATION AND RANGING IN A SWITCHING SYSTEM	US	15466737	22- Mar- 2017	2017-0279591	10-Apr- 18	9942027

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics Limited	RPAT026US	OPTOELECTRONIC SWITCH ARCHITECTURES	Sn	15521600	22- Apr- 2016	2017-0245028	20-Feb- 18	9900672
Rockley Photonics Limited	RPAT027US	OPTICAL SWITCH ARCHITECTURE	SN	15461421	16- Mar- 2017	2017-0195758	17-Jul-18	10028041
Rockley Photonics Limited	RPAT028US(2)	QUANTUM CONFINED STARK EFFECT ELECTROABSORPTION MODULATOR ON A SOI PLATFORM	SN	16315569	07-Jul- 2017	20190324299	29-Sep- 20	10788688
Rockley Photonics Limited	RPAT029US	SINGLE MODE WAVEGUIDE WITH AN ADIABATIC BEND	SN	15489669	17- Apr- 2017	20170351025	17-Nov- 20	10838146
Rockley Photonics Limited	RPAT030US	OPTICAL MODULATORS	SN	15430314	10- Feb- 2017	2017-0155452-A1	20-Nov- 18	10135542
Rockley Photonics Limited	RPAT030US(N1)	OPTICAL MODULATORS	SN	16195774	19- Nov- 2018	20190139950	24-Aug- 21	11101256
Rockley Photonics Limited	RPAT031US	WAVEGUIDE OPTOELECTRONIC DEVICE	SN	16465535	01- Dec- 2017	20200012043	31-Aug- 21	11105975
Rockley Photonics Limited	RPAT032US	WAVEGUIDE DEVICE AND METHOD OF DOPING A WAVEGUIDE DEVICE	SN	16465538	01- Dec- 2017	20190331855	15-Jun- 21	11036006
Rockley Photonics Limited	RPAT033US	MODE CONVERTER AND METHOD OF FABRICATING THEREOF	SN	16317151	13-Jul- 2017	20190243070	5-May- 20	10643903
Rockley Photonics Limited	RPAT033US(N1)	MODE CONVERTER AND METHOD OF FABRICATING THEREOF	Sn	16865255	01- May- 2020	20200258791	28-Sep- 21	11133225
Rockley Photonics Limited	RPAT034US	HARDWARE EFFICIENT SYSTEM AND METHOD FOR LOAD BALANCING USING A RANDOM NUMBER	US	15692875	31- Aug- 2017	20180074861A1	9-Jun-20	10678599

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics Limited	RPAT035US	ELECTRO-OPTICALLY ACTIVE DEVICE	S	16463203	23- Nov- 2017	20190377203	20-Oct- 20	10809547
Rockley Photonics Limited	RPAT035US(2)	ELECTRO-OPTICALLY ACTIVE DEVICE	SN	16766268	11- May- 2018	20200363662	21-Sep- 21	11126020
Rockley Photonics Limited	RPAT036US	COPACKAGING OF ASIC AND SILICON PHOTONICS	SN	15862463	04-Jan- 2018	2018-0196196	30-Jul-19	10365436
Rockley Photonics Limited	RPAT036US(N1)	COPACKAGING OF ASIC AND SILICON PHOTONICS	SN	16505674	08-Jul- 2019	20200073050	29-Dec- 20	10877217
Rockley Photonics Limited	RPAT037US	OPTOELECTRONIC SWITCH	SN	16487782	21- Feb- 2018	20200314511	10-Aug- 21	11089392
Rockley Photonics Limited	RPAT038US	MULTI-FIELD CLASSIFIER	SN	15879065	24-Jan- 2018	2018-0213067-A1	15-Sep- 20	10778814
Rockley Photonics Limited	RPAT040US	OPTICAL MODULATOR	SN	16496934	22- Mar- 2018	20200089076	24-Aug- 21	11099454
Rockley Photonics Limited	RPAT041US	OPTOELECTRONIC SWITCH WITH REDUCED FIBRE COUNT	SN	16491561	05- Mar- 2018	20210144456	1-Feb-22	11240572
Rockley Photonics Limited	RPAT042US	T-SHAPED ARRAYED WAVEGUIDE GRATING	US	15643399	06-Jul- 2017	2018-0224603	26-Nov- 19	10488589
Rockley Photonics Limited	RPAT042US(N1)	ARRAYED WAVEGUIDE GRATING WITH FREE PROPAGATION REGION MATCHING	Sn	16523987	26-Jul- 2019	20190346622	23-Mar- 21	10955613
Rockley Photonics Limited	RPAT042US(N2)	T-SHAPED ARRAYED WAVEGUIDE GRATING	US	16088387	08- Feb- 2018	20190331853	14-Sep- 21	11119273

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT045US	RELIABLE LASER LIGHT	US	15946345	05-	2018-0294621	3-Sep-19	10404035
Photonics Limited		SOURCE			Apr- 2018			
Rockley	RPAT046US	LEAF SWITCH MODULE AND	SN	16496337	22-	20200037055	2-Feb-21	10911846
Photonics Limited		OPTOELECTRONIC SWITCH			Mar- 2018			
Rockley	RPAT047US	DRIVER FOR OPTICAL	SN	15982928	17-	2018-0341125	24-Sep-	10423016
Photonics Limited		MODULATOR			May- 2018		19	
Rockley	RPAT049US	BROADBAND ARBITRARY	SN	16007896	13-Jun-	20180366915	20-Oct-	10811848
Photonics Limited		WAVELENGTH MULTICHANNEL LASER SOURCE			2018		20	
Rockley Photonics Limited	RPAT050US	OPTOELECTRONIC DEVICE	SN	15700053	08- Sep- 2017	-	20-Nov- 18	10133094
Rockley Photonics Limited	RPAT050US(C1)	OPTOELECTRONIC DEVICE	SN	16144994	27- Sep- 2018	20190041667	3-Sep-19	10401656
Rockley Photonics Limited	RPAT050US(C2)	OPTOELECTRONIC DEVICE	SN	16420096	22- May- 2019	20190278111	16-Feb- 21	10921616
Rockley Photonics Limited	RPAT053US	OPTICAL SCANNER AND DETECTOR	SN	16022525	28-Jun- 2018	2019-0004151	7-Sep-21	11112491
Rockley Photonics Limited	RPAT054US	OPTOELECTRONIC DEVICE	SN	15700055	08- Sep- 2017	20190011799	22-Jan- 19	10185203
Rockley Photonics Limited	RPAT056US	INTEGRATED STRUCTURE AND MANUFACTURING METHOD THEREOF	SN	16317171	13-Jul- 2017	20190244866	15-Jun- 21	11037839
Rockley Photonics Limited	RPAT057US	RECONFIGURABLE SPECTROSCOPY SYSTEM	SN	16026953	03-Jul- 2018	2019-0011639	9-Jun-20	10677989

OWNER Rockley Photonics Limited	ROCKLEY REF	TITLE RECONFIGURABLE SPECTROSCOPY SYSTEM	COUNTRY	APPLICATION NUMBER 16867372	DATE FILED 05- May- 2020	PUBLICATION NUMBER US-2020-0264377-A1	N 34377-A1	1377-A1
Rockley Photonics Limited	RPAT058US	SPECTROSCOPY SYSTEM WITH BEAT COMPONENT	S	16370861	29- Mar- 2019	ar- 19	- - 19	
Rockley Photonics Limited	RPAT058US(C1)	SPECTROSCOPY SYSTEM WITH BEAT COMPONENT	S	16917550	N) (i)	30-Jun- 2020	09-Jun- US2020-0333246 A1 1020	7
Rockley Photonics Limited	RPAT059US	OPTOELECTRONIC MODULE PACKAGE	SN	16056340	, ,	06- Aug- 2018	20190044002 Aug- 2018	
Rockley Photonics Limited	RPAT060US	MODULE WITH TRANSMIT AND RECEIVE OPTICAL SUBASSEMBLIES WITH SPECIFIC PIC COOLING ARCHITECTURE	Sn	16051237		31-Jul- 2018	31-Jul- 20190041576 2018	
Rockley Photonics Limited	RPAT060US(C1)	MODULE WITH TRANSMIT OPTICAL SUBASSEMBLY AND RECEIVE OPTICAL SUBASSEMBLY	S	16945569		31-Jul- 2020	31-Jul- 20200363585 2020	-
Rockley Photonics Limited	RPAT061US	BROADBAND STAR COUPLER	NS	16104083		16- Aug- 2018	16- 20190056551 Aug- 2018	
Rockley Photonics Limited	RPAT063US	SCHOTTKY PHOTODETECTOR	SN	16641142	2 9 2	20- Aug- 2018	0- 20200176627 .ug- 018	
Rockley Photonics Limited	RPAT064US	OPTICAL MODULATOR AND METHOD OF FABRICATING AN OPTICAL MODULATOR USING RARE EARTH OXIDE	NS	16641128		21- Aug- 2018	21- 20200292854 Aug- 2018	∞ - 7
Rockley Photonics Limited	RPAT065US	ELECTRO-ABSORPTION MODULATOR	CS	16286533		26- Feb- 2019	26- 20190293971 Feb- 2019	9 '

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT066US	WAVEGUIDE MIRROR AND	SN	16368605	28-	20190302366	5-May-	10641962
Photonics Limited		METHOD OF FABRICATING A WAVEGUIDE MIRROR			Mar- 2019		20	
Rockley	RPAT067US	OPTOELECTRONIC DEVICE	SN	16281035	20-	20190258094	28-Dec-	11209678
Photonics Limited					Feb- 2019		21	
Rockley	RPAT068US	OPTOELECTRONIC DEVICE	SN	16408381	09-	20190346704	17-Aug-	11092825
Photonics Limited		INCLUDING ANTI-REFLECTIVE COATINGS AND METHOD OF MANUFACTURING THEREOF			May- 2019		21	
Rockley	RPAT069US	ELECTRO-OPTICALLY ACTIVE	SN	16463337	23-	20190377204	1-Jun-21	11022824
Photonics Limited		DEVICE			Nov- 2017			
Rockley	RPAT071US	OPTICAL MODULATOR AND	SN	16494675	15- Mar-	20200099454	5-Apr-22	11296794
Limited		MICH OU OF ORE			2018			
Rockley Photonics Limited	RPAT072US	POROUS SILICON SENSOR	SN	16351331	12- Mar- 2019	20190285552	7-Apr-20	10613033
Rockley Photonics Limited	RPAT074US	POLARIZATION ROTATOR WITH DIMENSIONED RIB WAVEGUIDE AND A POLARIZATION STABILIZER	Sn	16362528	22- Mar- 2019	20190302361	2-Mar-21	10935724
Rockley Photonics Limited	RPAT075US	ELECTRO-OPTICAL PACKAGE AND METHOD OF FABRICATION	SN	16382076	11- Apr- 2019	20190317287	6-Jul-21	11054597
Rockley Photonics Limited	RPAT076US	OPTICAL ENGINE	SN	16383309	12- Apr- 2019	20190243164	17-May- 22	11333907
Rockley Photonics Limited	RPAT077US	ELECTRO-OPTICAL PACKAGE AND METHOD OF FABRICATION	SN	16393763	24- Apr- 2019	20190333905	22-Dec- 20	10872854
Rockley Photonics Limited	RPAT079US	INTEGRATION OF PHOTONIC COMPONENTS ON SOI PLATFORM	US	17055114	14- May- 2019	20210271119	10-May- 22	11327343

Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	OWNER
RPAT099US	RPAT097US	RPAT093US	RPAT091US	RPAT089US	RPAT088US	RPAT085US	RPAT084US	RPAT083US(N1)	RPAT083US	RPAT082US	ROCKLEY REF
INTERPOSER	MEASUREMENT SYSTEM USING CAMERA	FAN-OUT PACKAGE WITH RABBET	SWITCH WITH A SHUFFLE	ROUTING PROTOCOL AND DISTRIBUTED ROUTER	PN-JUNCTION PHASE MODULATOR IN A LARGE SILICON WAVEGUIDE PLATFORM	OPTOELECTRONIC MODULATOR, PHOTONIC INTEGRATED CIRCUIT, AND METHOD	DAISY CHAIN CONTROL NETWORK WITH DATA GENERATORS AND TOKEN- FORWARDING CONNECTIONS	METHOD FOR III-V/SILICON HYBRID INTEGRATION	METHOD FOR III-V/SILICON HYBRID INTEGRATION	METHOD OF FABRICATING AND OPTOELECTRONIC COMPONENT	TITLE
SN	NS	NS	US	US	US	S	S	SN	SN	SN	COUNTRY
16899264	14843866	16690054	16846213	16875886	16393889	16667831	16566629	17167065	16532406	16999789	APPLICATION NUMBER
11-Jun- 2020	02- Sep- 2015	20- Nov- 2019	10- Apr- 2020	15- May- 2020	24- Apr- 2019	29- Oct- 2019	10- Sep- 2019	03- Feb- 2021	05- Aug- 2019	21- Aug- 2020	DATE
20200400902	-	20200161243	20200329288	20210006495	20200133091	20200133034	20200081862	20210181437	20200041721	20210057874	PUBLICATION NUMBER
30-Aug- 22	13-Aug- 19	12-Jul-22	30-Nov- 21	30-Nov- 21	6-Jul-21	28-Dec- 21	1-Jun-21	5-Jul-22	15-Jun- 21	27-Jul-21	GRANT DATE
11428882	10379219	11387186	11190860	11190447	11054674	11209679	11023405	11378762	11036005	11075498	PATENT NUMBER

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT101US	ELECTRO-OPTICALLY ACTIVE	SN	16427247	30-	20190384073	10-Nov-	10831043
Photonics		DEVICE			Мау-		20	
Limited					2019			
Rockley	RPAT120US	MULTILAYER METAL STACK	SN	16900714	12-Jun-	20200393707	1-Mar-22	11262603
Photonics		HEATER			2020			
Limited								
Rockley	RPAT121US	FACEPLATE PLUGGABLE	SN	16988377	07-	20210044356	14-Sep-	11121776
Photonics		REMOTE LASER SOURCE AND			Aug-		21	
Limited		SAME			2020			
Rockley	RPAT141US	CO-PACKAGED OPTICS AND	SN	16824609	19-	20200219865	30-Mar-	10962728
Photonics		TRANSCEIVER			Mar-		21	
Rockley	RPAT171US	METHOD AND APPARATUS	SII	11560361	16-	1152008/0120052	4-Nov-08	7446878
Photonics		FOR IMPROVEMENT OF			Nov-			
Limited		SPECTROMETER STABILITY,			2006			
		AND MULTIVARIATE						
Rockley	RPAT172US(N10)	SYSTEM FOR NONINVASIVE	US	13444989	12-	20120197096	20-May-	8730047
Photonics		DETERMINATION OF			Apr-		14	
Limited		ANALYTES IN TISSUE			2012			
Rockley	RPAT172US(N3)	APPARATUSES FOR	SN	12107764	23-	20080208018	12-Nov-	8581697
Photonics		NONINVASIVE			Apr-		13	
Limited		ALCOHOL CONCENTRATION			2000			
		USING RAMAN SPECTROSCOPY						
Rockley	RPAT172US(N4)	METHODS FOR NONINVASIVE	SN	12107765	23-	20090234204	20-Aug-	8515506
Photonics		DETERMINATION OF IN VIVO			Apr-		13	
Limited		ALCOHOL CONCENTRATION			2008			
		SPECTROSCOPY						
Rockley	RPAT172US(N5)	APPARATUS AND METHODS	SN	11305964	19-	20070142720	13-Jul-10	7756558
Photonics		FOR MITIGATING THE			Dec-			
Limited		EFFECTS OF FOREIGN			2005			
		INTERFERENTS ON ANALYTE						

ı	1	20220140157	11-Jan- 2022	17573589	S	AVALANCHE PHOTODIODE STRUCTURE	RPAT039US(N1)	Rockley Photonics Limited
,	1	20210175384	15- May- 2018	16613739	US	AVALANCHE PHOTODIODE STRUCTURE	RPAT039US	Rockley Photonics Limited
ABANDONED	1	20210199995	11- Mar- 2021	17199352	US	OPTOELECTRONIC DEVICE AND ARRAY THEREOF	RPAT025US(C3)	Rockley Photonics Limited
	1	20200295537	01-Jun- 2020	16889656	US	DISCRETE WAVELENGTH TUNABLE LASER	RPAT021US(N1)	Rockley Photonics Limited
8174394	8-May- 12	20100010325	17- Sep- 2009	12562050	S	SYSTEM FOR NONINVASIVE DETERMINATION OF ANALYTES IN TISSUE	RPAT172US(N9)	Rockley Photonics Limited
7848605	7-Dec-10	20090003764	04- Aug- 2008	12185224	S	METHOD OF MAKING OPTICAL PROBES FOR NON- INVASIVE ANALYTE MEASUREMENTS	RPAT172US(N8)	Rockley Photonics Limited
8095193	10-Jan- 12	20060173256	30- Mar- 2006	11393341	US	APPARATUS AND METHOD FOR CONTROLLING OPERATION OF VEHICLES OR MACHINERY BY INTOXICATED OR IMPAIRED INDIVIDUALS	RPAT172US(N7)	Rockley Photonics Limited
7616123	10-Nov- 09	20070073118	05- Sep- 2006	11515565	Sn	APPARATUS AND METHOD FOR NONINVASIVELY MONITORING FOR THE PRESENCE OF ALCOHOL OR SUBSTANCES OF ABUSE IN CONTROLLED ENVIRONMENTS	RPAT172US(N6)	Rockley Photonics Limited
PATENT	GRANT DATE	PUBLICATION NUMBER	DATE FILED	APPLICATION NUMBER	COUNTRY	TITLE MEASUREMENTS IN SPECTROSCOPY	ROCKLEY REF	OWNER

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT049US(C1)	BROADBAND ARBITRARY	SN	17022901	16-	20200412103	1	ABANDONED
Photonics		WAVELENGTH			Sep-			
Limited		MULTICHANNEL LASER SOURCE			2020			
Rockley	RPAT049US(C2)	BROADBAND ARBITRARY	SN	17104929	25-	20210083457	1	ABANDONED
Photonics		WAVELENGTH			Nov-			
Limited		MULTICHANNEL LASER			2020			
		SOURCE						
Rockley	RPAT049US(C3)	BROADBAND ARBITRARY	SN	17172033	-60	20210167583	1	ABANDONED
Photonics		WAVELENGTH			Feb-			
Limited		MULTICHANNEL LASER			2021			
Pocklov	DDATOADI ICICAL	BBOADBANID ABBITBABY		17277500	2	20210201051		\D\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Photonics	NFA104905(C4)	WAVELENGTH	C	1/32/300	May-	20210281031	•	
Limited		MULTICHANNEL LASER			2021			
Rockley	RPAT049US(C5)	BROADBAND ARBITRARY	US	17519412	04-	20220059996	•	1
Photonics		WAVELENGTH MULTI-			Nov-			
Limited		CHANNEL LASER SOURCE			2021			
Rockley	RPAT049US(N1)	BROADBAND ARBITRARY	SN	17675512	18-	20220200244	1	•
Photonics		WAVELENGTH			Feb-			
Limited		MULTICHANNEL LASER SOURCE			2022			
Rockley	RPAT049US(P)	BROADBAND ARBITRARY	SN	62519754	14-Jun-	20220059996	•	1
Photonics		WAVELENGTH			2017			
Limited		MULTICHANNEL LASER SOURCE						
Rockley	RPAT052US(C1)	OPTOELECTRONIC DEVICE	SN	16985008	04-	20200363663	1	ABANDONED
Photonics Limited		AND ARRAY THEREOF			Aug- 2020			
Rockley	RPAT052US(C2)	OPTOELECTRONIC DEVICE	SN	17098290	13- :-	20210080761	1	ABANDONED
Photonics Limited		AND ARRAY THEREOF			Nov- 2020			
Rockley Photonics	RPAT053US(C1)	OPTICAL SCANNER AND DETECTOR	SN	17395252	05- Aug-	ı	1	•
Limited					2021			

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics	RPAT055US(C3)	ATHERMALIZED MULTI-PATH INTERFERENCE FILTER	SN	16986076	05- Aug-	20200371291	1	ABANDONED
Limited					2020			
Rockley	RPAT055US(C4)	ATHERMALIZED MULTI-PATH	SN	17073132	16- Oct	20210055479	-	ABANDONED
Limited					2020			
Rockley	RPAT055US(C5)	ATHERMALIZED MULTI-PATH	SN	17150950	15-Jan-	20210215881	1	ABANDONED
Photonics Limited		INTERFERENCE FILTER			2021			
Rockley	RPAT055US(C6)	ATHERMALIZED MULTI-PATH	SN	17216538	29-	20210215881	1	1
Photonics Limited		INTERFERENCE FILTER			Mar- 2021			
Rockley	RPAT056US(C1)	INTEGRATED STRUCTURE	SN	17324953	19-	20210335677	1	1
Photonics Limited		AND MANUFACTURING METHOD THEREOF			May- 2021			
Rockley	RPAT059US(C1)	OPTOELECTRONIC MODULE	SN	17550924	14-	20220109075	1	ı
Photonics Limited		PACKAGE			Dec- 2021			
Rockley	RPAT059US(N1)	OPTOELECTRONIC MODULE	SN	17732471	28-	1	1	1
Photonics Limited		PACKAGE			Apr- 2022			
Rockley	RPAT059US(P)	OPTOELECTRONIC MODULE	SN	62542074	07- Aug-	20220262962	-	•
Limited		TACNAGE			Aug- 2017			
Rockley Photonics Limited	RPAT066US(C1)	WAVEGUIDE MIRROR AND METHOD OF FABRICATING A WAVEGUIDE MIRROR	SN	16866419	04- May- 2020	20200264372	1	1
Rockley Photonics Limited	RPAT067US(C1)	OPTOELECTRONIC DEVICE	SN	17540782	02- Dec- 2021	20220163824	1	,
Rockley Photonics Limited	RPAT071US(N1)	OPTICAL MODULATOR AND METHOD OF USE	SN	17712036	01- Apr- 2022	20220229340	-	,

20220050247
18-Jun- 2021
17428594 06- Feb- 2020
17428580 06- Feb- 2020
17858021 05-Jul- 2022
17856864 01-Jul- 2022
17059088 29- May- 2019
17054486 10- Nov- 2020
17738945 06- May- 2022
17055541 15- May- 2019
16826122 20- Mar- 2020
APPLICATION DATE NUMBER FILED

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT092US	PHOTONIC BURIED	US	17296211	31-	20220011509	-	1
Photonics Limited		INTERPOSER			Mar- 2020			
Rockley	RPAT094US	WDM RECEIVER AND	US	17418669	18-	20220077950	1	1
Photonics Limited		METHOD OF OPERATION THEREOF			Dec- 2019			
Rockley	RPAT095US	OPTOELECTRONIC DEVICE	SN	17417296	18-	20220075213	'	1
Photonics Limited		AND METHOD			Dec- 2019			
Rockley Photonics	RPAT096US(N1)	OPTICAL PHASED ARRAY FOURIER TRANSFORM PROCESSOR	SN	16779526	31-Jan- 2020	20200209909	1	1
Rockley Photonics Limited	RPAT098US	OPTICAL ENGINE	SN	16836815	31- Mar- 2020	20200225430	,	
Rockley Photonics Limited	RPAT100US	WAVEGUIDE PLATFORM	Sn	17798821	10- Aug- 2022	-	1	'
Rockley Photonics Limited	RPAT102US	ELECTRO-OPTIC MODULATOR	SN	17629299	23-Jul- 2020	20220244581	-	1
Rockley Photonics Limited	RPAT111US	METHOD OF MANUFACTURING A III-V BASED OPTOELECTRONIC DEVICE	SN	17002722	25- Aug- 2020	20210066537	-	,
Rockley Photonics Limited	RPAT112US	SILICONIZED HETEROGENEOUS OPTICAL ENGINE	US	17641418	08- Mar- 2022	-	•	1
Rockley Photonics Limited	RPAT113US	OPTICAL MODULATOR AND METHOD OF FABRICATING AN OPTICAL MODULATOR	US	17753193	25- Aug- 2020	20220276512	•	1
Rockley Photonics Limited	RPAT114US	THROUGH MOLD VIA FRAME	US	17597473	06-Jan- 2022		•	1

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUIVIBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT115US	SILICON PHOTONIC	US	17596252	05-	20220310540	1	1
Photonics		INTERPOSER WITH TWO			Dec-			
Limited		METAL REDISTRIBUTION LAYERS			2020			
Rockley	RPAT116US	OPTICAL RING MODULATOR	SN	17753231	25- ^************************************	20220291531	1	1
Limited					Aug- 2020			
Rockley Photonics	RPAT117US	LINEARIZED MODULATOR	SN	17753241	25- Δ116-	20220299836	1	•
Photonics Limited					Aug- 2020			
Rockley	RPAT118US	OPTICAL ISOLATOR	SN	17595702	22-	20220244584	1	1
Photonics Limited					May- 2020			
Rockley	RPAT119US	OPTICAL MODULATOR	SN	17753276	25-	1	1	1
Photonics Limited					Aug- 2020			
Rockley	RPAT122US	TRANSFER DIE FOR MICRO-	SN	17904583	18-	1	'	1
Photonics Limited		TRANSFER PRINTING			Aug- 2022			
Rockley	RPAT124US	OPTOELECTRONIC DEVICE	SN	17640994	07-	-	•	1
Photonics		AND METHOD OF			Mar-			
בווווונפט		OPTOELECTRONIC DEVICE			2022			
Rockley Photonics	RPAT125US	OPTICAL MODE SPLITTER	SN	16880926	21- Mav-	20210364698	1	•
Limited					May- 2020			
Rockley	RPAT126US	INTEGRATED SELF-ALIGNED	SN	17504125	18-	20220122924	•	1
Photonics Limited		ASSEMBLY			Oct- 2021			
Rockley	RPAT127US	PACKAGING OF THREE-	SN	17757823	21-Jun-	-	•	1
Photonics Limited		DIMENSIONAL INTEGRATED CIRCUIT BY ENCAPSULATION			2022			
		WITH COPPER POSTS AND						
		DOUBLE SIDED						
		VEDIO LON LATEN						

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT129US	INTEGRATED III-V / SILICON	SU	17104670	25-	20210181546	1	1
Photonics		OPTOELECTRONIC DEVICE			Nov-			
Limited		AND METHOD OF MANUFACTURE THEREOF			2020			
Rockley	RPAT130US	OPTOELECTRONIC DEVICE	SN	17092151	06-	20210141172	-	1
Limited		MANUFACTURE THEREOF			2020			
Rockley	RPAT131US	OPTICAL MULTIPLEXER	SN	17755969	12-	•	1	1
Photonics Limited					May- 2022			
Rockley	RPAT133US	DEMULTIPLEXER	SN	17793914	19-Jul-	,	1	1
Limited					7022			
Rockley	RPAT134US	GROWTH DEFECT REDUCTION	SN	17756808	02-Jun-	-	1	1
Photonics Limited		AT GRATING TRANSITION			2022			
Rockley	RPAT137US	FREQUENCY SHIFTER FOR	SN	17757048	08-Jun-	1	1	1
Limited		INTERFEROMETRY MEASUREMENTS AND DEVICE			2022			
		FOR HETERODYNE INTERFEROMETRY						
		SUCH A FREQUENCY SHIFTER						
Rockley	RPAT138US	OPTICAL DEVICE FOR	SN	17757037	-nul-80	-	•	•
Photonics Limited		HETERODYNE INTERFEROMETRY			2022			
Rockley	RPAT139US	HYBRID INTEGRATION	SN	17318834	12-	20210356663	1	1
Photonics Limited		PROCESS AND DEVICES			May- 2021			
Rockley	RPAT140US	SOURCE WAFER AND	SN	17791524	-	-	-	-
Photonics Limited		THEREOF						
Rockley Photonics	RPAT142US	SWITCH ASSEMBLY	SN	17909344	05- Mar-			
Limited					2021			

OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics Limited	RPAT143US	PHOTONIC MODULE AND METHOD OF MANUFACTURE	US	17798525	09- Aug- 2022	-	1	1
Rockley Photonics Limited	RPAT145US	DEVICE COUPON AND METHOD OF FABRICATION THEREOF	SN	17203274	16- Mar- 2021	20210311256	-	•
Rockley Photonics Limited	RPAT147US	SILICON GRATING WITH AMORPHOUS SILICON PERTURBATION	SN	17230864	14- Apr- 2021	20210325609	1	•
Rockley Photonics Limited	RPAT153US	OPTOELECTRONIC DEVICE AND METHOD OF MANUFACTURE THEREOF	SN	17364837	30-Jun- 2021	20220013988	,	•
Rockley Photonics Limited	RPAT154US	ENHANCED BANDWIDTH INTERCONNECT	SN	17362892	29-Jun- 2021	20220013879	'	•
Rockley Photonics Limited	RPAT155US(N1)	METHOD, DEVICE WAFER, AND OPTOELECTRONIC DEVICE	SN	17733947	29- Apr- 2022	-	'	,
Rockley Photonics Limited	RPAT156US	OPTOELECTRONIC DEVICE AND METHOD OF MANUFACTURE THEREOF	SN	17439297	12- Nov- 2020	20220155521	-	•
Rockley Photonics Limited	RPAT156US(N1)	OPTOELECTRONIC DEVICE AND METHOD OF MANUFACTURE THEREOF	SN	17748639	19- May- 2022	20220276438	-	•
Rockley Photonics Limited	RPAT162US	ELECTRO-OPTICAL PACKAGE AND METHOD OF FABRICATION	SN	17550886	14- Dec- 2021	20220189841	•	•
Rockley Photonics Limited	RPAT165US	CURVILINEAR DESIGN ADJUSTMENT AT ACUTE- ANGLED TIP	SN	17512374	27- Oct- 2021	20220138392	-	•
Rockley Photonics Limited	RPAT166US	OPTICAL SENSING MODULE	Sn	17757130	09-Jun- 2022	-	•	1

OWNER	ROCKLEY REF	ппе	COUNTRY	APPLICATION NUMBER	DATE	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley Photonics Limited	RPAT166US(C1)	OPTICAL SENSING MODULE	Sn	17806254	09-Jun- 2022	,	ı	1
Rockley Photonics Limited	RPAT167US	COUPON WAFER AND METHOD OF PREPARATION THEREOF	Sn	17911111	16- Mar- 2021			
Rockley Photonics Limited	RPAT176US	THERMOSONIC BONDING FOR SECURING PHOTONIC COMPONENTS	Sn	17839405	13-Jun- 2022	,	1	1
Rockley Photonics Limited	RPAT179US	OPTICAL OUT-COUPLER UNIT FOR OUT-COUPLING LIGHT FROM A WAVEGUIDE	Sn	17744108	13- May- 2022	,	1	1
Rockley Photonics Limited	RPAT179US(P)	OPTICAL OUT-COUPLER UNIT FOR OUT-COUPLING LIGHT FROM A WAVEGUIDE	Sn	63188359	13- May- 2021	,	,	1
Rockley Photonics Limited	RPAT180US(P)	MINIMIZING PHASE VARIATION FOR INCREASING YIELD OF INTEGRATED UNBALANCED MACH- ZEHNDER INTERFEROMETERS	NS	63175518	15- Apr- 2021	,	-	1
Rockley Photonics Limited	RPAT182US	HIGHER ORDER MODE FILTER	Sn	17687144	04- Mar- 2022	20220283367	1	'
Rockley Photonics Limited	RPAT183US	WAVEGUIDE FACET INTERFACE	Sn	17687068	04- Mar- 2022	20220283365	•	1
Rockley Photonics Limited	RPAT184US	COMPACT WAVEGUIDE TAPER AND WAVEGUIDE CROSSING	SN	17684265	01- Mar- 2022	20220283369	-	i
Rockley Photonics Limited	RPAT186US	OPTOELECTRONIC DEVICE AND ARRAY THEREOF	Sn	17349835	16-Jun- 2021	20210311333	1	1
Rockley Photonics Limited	RPAT188US	WAVEGUIDE HEATER	Sn	17695451	15- Mar- 2022	20220299704		1

OWNER	ROCKLEY REF	ппе	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Rockley	RPAT190US(P)	INTEGRATED REDUCED	US	63186704	10-	1	1	1
Photonics Limited		COHERENCE-LENGTH LASER			May- 2021			
Rockley	RPAT190US(P)	INTEGRATED REDUCED-	US	63309316	11-	•	'	1
Photonics Limited		COHERENCE-LENGTH LASER			Feb- 2022			
Rockley	RPAT190US(P3)	INTEGRATED REDUCED-	US	63328529	07-	1	1	1
Photonics Limited		COHERENCE-LENGTH LASER			Apr- 2022			
Rockley Photonics	RPAT191US(P)	TRANSMITTER PHOTONIC INTEGRATED CIRCUIT	US	63215345	25-Jun- 2021	1	1	,
בוווונמט								
Rockley Photonics Limited	RPAT192US	PHASE SHIFT KEYING MODULATOR	Sn	17711965	01- Apr- 2022	20220317539	•	•
Rockley Photonics Limited	RPAT192US(N1)	PHASE SHIFT KEYING MODULATOR	Sn	17734962	02- May- 2022	20220326588	•	-
Rockley Photonics Limited	RPAT192US(P)	III-V/SOI HYBRID DP-QPSK MODULATORS FABRICATED BY MTP TECHNOLOGY	SN	63170990	05- Apr- 2021	•	1	1
Rockley Photonics Limited	RPAT193US	SEMICONDUCTOR PHOTODIODE	Sn	17862338	11-Jul- 2022	,	,	٠
Rockley Photonics Limited	RPAT194US	OPTICAL INSTRUMENT AND METHOD FOR DETERMINING A WAVELENGTH OF LIGHT GENERATED BY AN LIGHT SOURCE, AND OPTICAL SYSTEM COMPRISING THE OPTICAL INSTRUMENT	US	17743427	12- May- 2022		1	,
Rockley Photonics Limited	RPAT194US(N1)	OPTICAL INSTRUMENT AND METHOD FOR DETERMINING A WAVELENGTH OF LIGHT GENERATED BY A LIGHT SOURCE, AND OPTICAL	US	17832509	03-Jun- 2022	'	1	-

OWNER R		Rockley RI Photonics	Limited	Rockley RI	Photonics Limited	Rockley RI Photonics Limited	Rockley RI Photonics Limited	Rockley RI Photonics Limited	Rockley RI Photonics Limited RI	Rockley RI Photonics Limited	Rockley RI Photonics Limited	Rockley RI	Photonics Limited
ROCKLEY REF		RPAT194US(P)		RPAT195US		RPAT195US(P)	RPAT196US	RPAT196US(P)	RPAT197US	RPAT197US(P)	RPAT198US	RPAT199US	
TITLE SYSTEM COMPRISING THE	SYSTEM COMPRISING THE OPTICAL INSTRUMENT	HIGH SPEED, ACOUSTO-OPTIC LASER FREQUENCY	DISCRIMINATOR	BONDING FIXTURE		GLASS BONDING FIXTURE FOR III-V ON SILICON PIC	LASER WITH WAVELENGTH- SELECTIVE REFLECTOR	A CHIP-SCALE EXTERNAL CAVITY LASER BASED ON ECHELLE GRATING REFLECTOR	SENSING SYSTEM	SENSING SYSTEM WITH LIDAR AND SPECTROSCOPIC SENSOR	Source wafer, method, and optoelectronic devices	Photonic pressure sensor	
COUNTRY		US		SN		US	SN	US	SN	US	SN	Sn	SU
APPLICATION NUMBER		63188390		17742095		63187845	17829030	63195636	17850881	63215925	17938282	17938328	1791/1797
DATE		13- May-	2021	11-	May- 2022	12- May- 2021	31- May- 2022	01-Jun- 2021	27-Jun- 2022	28-Jun- 2021	05- Oct- 2022	05- Oct- 2022	25_1.1
PUBLICATION NUMBER		•		1		-	-	-	1	-			-
GRANT DATE		1		1		-	-	_	•	-			-
PATENT NUMBER		1		1		1	•			•			ı

Rackley Lumited RPATZODUS(P) PHOTONIC INTEGRATED LIMITED AND METHOD FOR WEARABLE LIMITED US 63227227 29-Jul	OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
CIRCUIT	Rockley	RPAT200US(P)	PHOTONIC INTEGRATED	US	63227227	29-Jul-	1	1	1 0000000000000000000000000000000000000
RPAT201US	Photonics		CIRCUIT			2021			
RPATZOJUS	Limited								
RPATZ01US(P)	Rockley	RPAT201US	PHOTODIODE FOR WEARABLE	SN	17816900	02-	-	'	'
RPATZOJUS(P)	Photonics		DEVICES			Aug-			
RPAT201US(P) PHOTODIODE FOR WEARABLE US 63229431 04- DEVICES 2021 DEVICES 2021 RPAT202US(P) ARCHITECTURE OF A PHOTONIC INTEGRATED CIRCUIT (PIC) AUD METHOD OF OPERATING THE SAME PHOTONIC INTEGRATED CIRCUIT (PIC) AUD METHOD OF OPTICAL SPECKLE RECEIVER US 17703920 24- RPAT203US(C1) OPTICAL SPECKLE RECEIVER US 17822419 25- RPAT203US(P) OPTICAL SPECKLE RECEIVER US 17822419 25- RPAT203US(P) OPTICAL RECEIVER US 17822419 25- RPAT203US(P) OPTICAL RECEIVER US 17823021 10- POSITIONING A SENSOR ON A SUBJECT 2022 RPAT204US POSITIONING A SENSOR ON A SENSING BIOMARKERS US 17817321 03- SENSING BIOMARKERS US 17817321 03- SENSING BIOMARKERS US 17823505 06- RPAT205US HEALTH STATE ESTIMATION US 17823505 AUG- USING MACHINE LEARNING US 63239857 01- SEP- 2021 RPAT205US(P) HEALTH STATE ESTIMATION US 63239857 01- SUSING MACHINE LEARNING US 63239857 01- SUSING MACHINE LEARNING 2021	Limited					2022			
RPAT202US(P) ARCHITECTURE OF A DEVICES AUG- 2021	Rockley	RPAT201US(P)	PHOTODIODE FOR WEARABLE	SN	63229431	04-	1	1	1
RPATZOZUS(P) ARCHITECTURE OF A US 63280989 18- -	Photonics		DEVICES			Aug-			
RPATZ0ZUS(P) ARCHITECTURE OF A US 63280989 18-	ם ב					1707			
Nov- CIRCUIT (PIC) AND METHOD	Rockley	RPAT202US(P)	ARCHITECTURE OF A	SU	63280989	18-	1	'	1
RPATZO3US(C1) OPTICAL SPECKLE RECEIVER US 17703920 24 - - -	Photonics		PHOTONIC INTEGRATED			Nov-			
RPAT203US OPTICAL SPECKLE RECEIVER US 17703920 24-	Limited		OF OPERATING THE SAME			1707			
RPAT203US(C1) OPTICAL SPECKLE RECEIVER US 17822419 25- 4ug- 2022	Rockley	RPAT203US	OPTICAL SPECKLE RECEIVER	SN	17703920	24-	,	'	'
RPAT203US(C1) OPTICAL SPECKLE RECEIVER US 17822419 25- 4 ug- 2022 2 2 2 2 2 2 2 2	Photonics					Mar-			
RPATZO3US(C1) OPTICAL SPECKLE RECEIVER US 17822419 Aug-2022 25-4 Aug-2022 2022 2022	Limited					2022			
RPATZO3US(P) OPTICAL RECEIVER	Rockley	RPAT203US(C1)	OPTICAL SPECKLE RECEIVER	S	17822419	25-	•	•	•
RPAT203US(P) OPTICAL RECEIVER US 63243021 10- - RPAT204US SYSTEM AND METHOD FOR DOSITIONING A SENSOR ON A SUBJECT US 17817321 03- - RPAT204US(P) SYSTEM FOR METHOD FOR SUBJECT US 63230590 06- - RPAT205US(P) HEALTH STATE ESTIMATION US US 17823505 30- - RPAT205US(P) HEALTH STATE ESTIMATION US US 63239857 01- - RPAT205US(P) HEALTH STATE ESTIMATION US US 63239857 01- - RPAT205US(P) HEALTH STATE ESTIMATION US 63239857 01- -	Photonics					Aug-			
RPAT204US (P) SYSTEM AND METHOD FOR US 17817321 03 2021 RPAT204US(P) SYSTEM FOR METHOD FOR US 63230590 06 2022 RPAT205US HEALTH STATE ESTIMATION US 17823505 30 2022 RPAT205US(P) HEALTH STATE ESTIMATION US 63239857 01 5ep- 2021	Rocklev	RDATONRIIS(P)	ODTICAL RECEIVER	<u> </u>	62743071	10-	'	' 	1
RPATZ04US SYSTEM AND METHOD FOR POSITIONING A SENSOR ON A SUBJECT US 17817321 03	Photonics	100 CO(1)		Ċ	1	Sen-			
RPATZ04US SYSTEM AND METHOD FOR POSITIONING A SENSOR ON A SUBJECT US 17817321 03- Aug- 2022 - Aug- 2022 Aug- 2022 Aug- 2022 - Aug- 2022 - Aug- 2022 - Aug- 2022 - Aug- 2022 Aug- 2021 Aug- 2022 - Aug- 2022 Aug- 2022 Au	Limited					2021			
POSITIONING A SENSOR ON A SUBJECT RPAT204US(P) RPAT205US RPAT205US RPAT205US(P) R	Rockley	RPAT204US	SYSTEM AND METHOD FOR	SU	17817321	03-	1	1	'
RPATZ04US(P) SYSTEM FOR METHOD FOR US 63230590 06- -	Photonics		POSITIONING A SENSOR ON A			Aug-			
RPATZ04US(P) SYSTEM FOR METHOD FOR US SENSING BIOMARKERS RPATZ05US RPATZ05US RPATZ05US RPATZ05US(P) HEALTH STATE ESTIMATION US RPATZ05US(P) HEALTH STATE ESTIMATION US A3230590 Aug- 2021 Aug- 2021 Sep- 2021 Sep- 2021	Limited		SUBJECT			2022			
RPAT205US HEALTH STATE ESTIMATION US 17823505 30 Q2021 2021 2021 2021 2021 2021 2021 202	Rockley	RPAT204US(P)	SYSTEM FOR METHOD FOR	SU	63230590	06-	•	'	'
RPAT205US HEALTH STATE ESTIMATION US 17823505 30 Aug- 2022 RPAT205US(P) HEALTH STATE ESTIMATION US 63239857 01 Sep- 2021	Photonics		SENSING BIOMARKERS			Aug-			
RPATZ05US HEALTH STATE ESTIMATION US 17823505 30 Aug- Aug- Aug- Aug- Aug- Aug- Aug- A	בוווונפט					1707			
RPAT205US(P) HEALTH STATE ESTIMATION USING MACHINE LEARNING USING MACHINE LEARNING HEALTH STATE ESTIMATION US 63239857 Sep- 2021	Rockley	RPAT205US	HEALTH STATE ESTIMATION	SN	17823505	30-	•	1	1
RPAT205US(P) HEALTH STATE ESTIMATION US 63239857 01- Sep- 2021	Photonics Limited		USING MACHINE LEARNING			Aug- 2022			
	Rockley Photonics	RPAT205US(P)	HEALTH STATE ESTIMATION	SN	63239857	01- Sen-	•	1	ı
	Limited					2021			

Rockley Initiated RPAT207US MEFHOD OF SELF- LAURATION FROM UNLABELED DATA U.S 17888409 11	OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
CALIBRATION ROM	Rockley	RPAT207US	METHOD OF SELF-	SN	17886409	11-	1	'	•
UNIABELED DATA 2022	Photonics		CALIBRATION FROM			Aug-			
RPATZOTUS(P) CALIBRATION FROM UNLABELLED DATA US 63253054 Oct- Oct-	Limited		UNLABELED DATA			2022			
CALIBRATION FROM	Rockley	RPAT207US(P)	METHOD OF SELF-	SN	63253054	06-	,	1	1
COLUMN CONTICUENCE CONTI	Photonics		CALIBRATION FROM			Oct-			
RPATZOBUS(P) SPECTROSCOPIC SENSOR FOR US 63315776 02.	Limited		UNLABELLED DATA			2021			
RPATZ09US OPTOELECTRONIC DEVICE US 17848328 23-Jun	Rockley	RPAT208US(P)	SPECTROSCOPIC SENSOR FOR	SN	63315776	02-	1	1	1
RPATZO9US OPTOELECTRONIC DEVICE US 17848328 23-Jun - - -	Photonics Limited		MACHINES			Mar- 2022			
RPATIZIOSUS(P) COUPLING FOR EAM AND US 63247297 22- -	Rockley	RPAT209US	OPTOELECTRONIC DEVICE	SN	17848328	23-Jun-	- [1	1
RPATZ09US(P)	Photonics Limited					2022			
RPATZ11US(P) POLARIZATION SPLITTER AND US 6332Z012 Z1- Z021 Z021 Z021 Z021 Z022 Z0	Rockley	RPAT209US(P)	COUPLING FOR EAM AND	US	63247297	22-	1	'	1
RPAT210US(P)	Photonics Limited		DFB LASER			Sep- 2021			
RPATZ11US SYSTEMS AND METHODS FOR US 17937444 30-	Rockley Photonics	RPAT210US(P)	POLARIZATION SPLITTER AND ROTATOR	SN	63322012	21- Mar-		'	1
RPATZ11US SYSTEMS AND METHODS FOR US 17937444 30-									
RPAT211US(P) SYSTEMS AND METHODS FOR US 63251444 O1- O1- Oct- O	Rockley Photonics Limited	RPAT211US	SYSTEMS AND METHODS FOR IMPROVED SENSOR ALGORITHMS	US	17937444	30- Sep- 2022		1	1
RPATZ11US(P2) SYSTEMS AND METHODS FOR IMPROVED SENSOR US 63291282 17- Dec- Dec- Dec- Dec- Dec- Dec- Dec- Dec	Rockley Photonics Limited	RPAT211US(P)	SYSTEMS AND METHODS FOR IMPROVED SENSOR ALGORITHMS	Sn	63251444	01- Oct- 2021	-	,	•
RPAT212US(P) COMPUTER-IMPLEMENTED US 63279633 15- - - - METHOD FOR A WEARABLE DEVICE 2021 - <t< td=""><td>Rockley Photonics Limited</td><td>RPAT211US(P2)</td><td>SYSTEMS AND METHODS FOR IMPROVED SENSOR ALGORITHMS</td><td>SN</td><td>63291282</td><td>17- Dec- 2021</td><td>-</td><td>1</td><td>,</td></t<>	Rockley Photonics Limited	RPAT211US(P2)	SYSTEMS AND METHODS FOR IMPROVED SENSOR ALGORITHMS	SN	63291282	17- Dec- 2021	-	1	,
DEVICE	Rockley	RPAT212US(P)	COMPUTER-IMPLEMENTED METHOD FOR A WEARARIE	SN	63279633	15- Nov-	1	'	'
RPATZ13US OPTICAL SENSOR MODULE US 17711974 01	Limited		DEVICE			2021			
	Rockley Photonics	RPAT213US	OPTICAL SENSOR MODULE	US	17711974	01- Apr- 2022	1	1	•

Productics	OWNER	ROCKLEY REF	TITLE	COUNTRY	APPLICATION NUMBER	DATE FILED	PUBLICATION NUMBER	GRANT DATE	PATENT NUMBER
Sep- SENDER SENDER SENDER SENDER SENDER	Rockley	RPAT213US(C1)	OPTICAL SENSOR MODULE	US	17934502	22-		1	1
CS RPATZ13US(P) A COMBINED OPTICAL US 6327932 16- -	Photonics					Sep-			
CS RPATZ13US(P) A COMBNED OPTICAL US 63279932 16- -	Limited					2022			
SENSOR MODULE SENSOR MODUL	Rockley	RPAT213US(P)	A COMBINED OPTICAL	SN	63279932	16-		'	'
CS RPATZ14US(P) DEFORMABLE MEMBRANE US 63280993 13-	Photonics		SENSOR MODULE			Nov-			
CS RPATZ14US(P) DEFORMABLE MEMBRANE US 63280993 18-	Limited					2021			
RPAT215US(P) MODULE-SKIN INTERFACE US 63280996 18- -	Rockley	RPAT214US(P)	DEFORMABLE MEMBRANE	SN	63280993	18-		-	•
CS RPATIZISUS(P) MODULE-SKIN INTERFACE US 63280996 18-	Photonics		REFLECTOR			Nov-			
RPATIZISUS(P) MODULE-SKIN INTERFACE US 63280996 13-	Limited					2021			
CS RPAT216US(P) WAVELENGTH MONITORING US 63283375 26- -	Rockley	RPAT215US(P)	MODULE-SKIN INTERFACE	SN	63280996	18-		•	•
RPATZ16US(P) WAVELENGTH MONITORING US 63283375 26- -	Photonics					Nov-			
CS RPATZ16US(P) WAVELENGTH MONITORING US 63283375 26	Limited					2021			
AND CONTROL ON A PHOTONIC INTEGRATED CIRCUIT RPATZ17US(P) INTEGRATION OF MULTI- CS RPATZ18US(P) RPATZ18US(P) RPATZ18US(P) RPATZ18US(P) RPATZ18US(P) RPATZ19US(P) RESONANT CAVITY TUNABLE CS RPATZ19US(P) RPATZ20US(P) RPATZ19US(P) RPATZ20US(P) RPATZ19US(P) RPATZ20US(P) RPATZ20US(P	Rockley	RPAT216US(P)	WAVELENGTH MONITORING	SN	63283375	26-		-	•
PHOTONIC INTEGRATED CIRCUIT CIRCUIT CIRCUIT US 63291814 20	Photonics		AND CONTROL ON A			Nov-			
CS RPAT217US(P) INTEGRATION OF MULTI- CS RPAT217US(P) INTEGRATION OF MULTI- MODE DEMUX WITH SINGLE- MODE HSPD THROUGH MULTI-MODE POWER SPLITTER SPLITTER SPLITTER RPAT218US(P) FABRI-PEROT BASED MULTI US 63292341 21- LASER CS RPAT219US(P) INTERLEAVED EG-BASED BROADBAND MULTIPLEXING CS RPAT220US(P) COHERENT QPSK CS RPAT220US(P) CHERENT QPSK HETEROGENEOUS III-V U- BEND EAMS AND COHERENT QPSK RECEIVER IMPLEMENTED IN A MULTI- MICRON SILICON PHOTONICS PLATFORM WITH 4X4 MMI	Limited		PHOTONIC INTEGRATED			2021			
CS MODE DEMUX WITH SINGLE- MODE HSPD THROUGH MULTI-MODE HSPD THROUGH MULTI-MODE POWER SPLITTER SPLITTER WITH SPLITTE	Rocklev	RPAT217US(P)	INTEGRATION OF MULTI-	SU	63291814	20-	•	'	'
MODE HSPD THROUGH MULTI-MODE POWER SPLITTER SPLITTER US 63292341 21. -	Photonics		MODE DEMUX WITH SINGLE-			Dec-			
RPAT218US(P) FABRI-PEROT BASED MULTI US 63292341 21-	Limited		MODE HSPD THROUGH			2021			
RPAT218US(P) FABRI-PEROT BASED MULTI US 63292341 21-			SPLITTER						
RESONANT CAVITY TUNABLE LASER RPAT219US(P) INTERLEAVED EG-BASED CS RPAT220US(P) COHERENT QPSK TRANSMITTER WITH HETEROGENEOUS III-V U- BEND EAMS AND COHERENT QPSK RECEIVER IMPLEMENTED IN A MULTI- MICRON SILICON PHOTONICS PLATFORM WITH 4X4 MMII RESONANT CAVITY TUNABLE 2021 Dec- 2021 2021 19-Jan- 2022 2022	Rockley	RPAT218US(P)	FABRI-PEROT BASED MULTI	SN	63292341	21-		•	•
RPATZ19US(P) INTERLEAVED EG-BASED BROADBAND MULTIPLEXING COHERENT QPSK TRANSMITTER WITH HETEROGENEOUS III-V U- BEND EAMS AND COHERENT QPSK RECEIVER IMPLEMENTED IN A MULTI- MICRON SILICON PHOTONICS PLATFORM WITH 4X4 MMI	Photonics Limited		RESONANT CAVITY TUNABLE LASER			Dec- 2021			
RPATT220US(P) COHERENT QPSK TRANSMITTER WITH HETEROGENEOUS III-V U- BEND EAMS AND COHERENT QPSK RECEIVER IMPLEMENTED IN A MULTI- MICRON SILICON PHOTONICS PLATFORM WITH 4X4 MMI	Rockley	RPAT219US(P)	INTERLEAVED EG-BASED	SU	63292346	21-		1	1
RPAT220US(P) COHERENT QPSK TRANSMITTER WITH HETEROGENEOUS III-V U- BEND EAMS AND COHERENT QPSK RECEIVER IMPLEMENTED IN A MULTI- MICRON SILICON PHOTONICS PLATFORM WITH 4X4 MMI	Photonics		BROADBAND MULTIPLEXING			Dec-			
CS RPAT220US(P) COHERENT QPSK TRANSMITTER WITH HETEROGENEOUS III-V U- BEND EAMS AND COHERENT QPSK RECEIVER IMPLEMENTED IN A MULTI- MICRON SILICON PHOTONICS PLATFORM WITH 4X4 MMI	Limited					1707			
HETEROGENEOUS III-V U- BEND EAMS AND COHERENT QPSK RECEIVER IMPLEMENTED IN A MULTI- MICRON SILICON PHOTONICS PLATFORM WITH 4X4 MMI	Rockley Photonics	RPAT220US(P)	TRANSMITTER WITH	SN	63300926	19-Jan- 2022	•	'	,
BEND EAMS AND COHERENT QPSK RECEIVER IMPLEMENTED IN A MULTI- MICRON SILICON PHOTONICS PLATFORM WITH 4X4 MMI	Limited		HETEROGENEOUS III-V U-						
QPSK RECEIVER IMPLEMENTED IN A MULTI- MICRON SILICON PHOTONICS PLATFORM WITH 4X4 MMI			BEND EAMS AND COHERENT						
MICRON SILICON PHOTONICS PLATFORM WITH 4X4 MMI			QPSK RECEIVER						
PLATFORM WITH 4X4 MMI			MICRON SILICON BHOTONICS						
			PLATFORM WITH 4X4 MMI						

Rockley Photonics Limited	ROCKLEY REF RPAT221US(P) RPAT223US(P) RPAT224US(P) RPAT225US(P)	FORK COUPLER FORK COUPLER SYSTEM FOR SPECTROMETRY AND SPECTROPHOTOMETRY AND SPECTROPHOTOMETRY HUMAN-COMPUTER INTERACTION DEVICE OR SYSTEM WITH SENSOR INTEGRATION SOLUTIONS FOR ISVS BEAM STEERING WITH RANDOM DIFFUSERS FOR SPECKLE NOISE MITIGATION IN MULTIPLEXED LASER	US US US	APPLICATION NUMBER 63377693 63346300 63321328 63321328	DAT FILEI 29- Sep- 2022 26- May 2022 218- Mar- 2022 27- Mar- 2022 27- Mar- 2022 27- Mar- 2022 27-	DATE FILED 29- 29- 2022 26- May- 2022 18- Mar- 2022 27- Mar- 2022 27- Mar- 2022 28- Mar- 2022	ATE PUBLICATION LED NUMBER
RPAT226US(P)		PIC WITH INTEGRATED GRIN LENSES	US	63325934		31- Mar- 2022	31 Mar- 2022
RPAT227US(P)	P)	DIALYSIS MONITORING SYSTEM	S	63337552		02- May- 2022	02- May- 2022
RPA:	RPAT228US(P)	DIALYSIS MONITORING SYSTEM WITH WEARABLE DEVICE	S	63337525		02- May- 2022	02- May- 2022
R	RPAT229US(P)	ECHELLE GRATINGS WITH A SHARED FREE PROPAGATION REGION	SN	63366050	J	08-Jun- 2022	
	RPAT230US(P)	TEST PART WITH ALIGNMENT OFFSET FOR CHARACTERIZING ALIGNMENT ERRORS	S	63345284	.4	24- May- 2022	
	RPAT231US(P)	FOLDED MACH-ZEHNDER INTERFEROMETER	SN	63346297	7	7 26- May- 2022	

OWNER Rockley	ROCKLEY REF	TITLE DEVICE COUPON AND	COUNTRY	APPLICATION NUMBER 63395718	DATE FILED	PUBLICATION NUMBER	GRANT DATE
Rockley Photonics Limited	RPAT232US(P)	DEVICE COUPON AND OPTOELECTRONIC DEVICE	SN	63395718	05- Aug- 2022	•	·
Rockley Photonics Limited	RPAT233US(P)	CALIBRATION METHOD AND APPARATUS FOR OPTICAL SENSOR	SN	63351316	10-Jun- 2022	•	'
Rockley Photonics Limited	RPAT234US(P)	SPECKLE MITIGATION USING AN ARRAY OF SUSPENDED SI NANO-BEAMS	SN	63366186	10-Jun- 2022	1	'
Rockley Photonics Limited	RPAT235US(P)	SURFACE RELIEVED NANOSTRUCTURE FOR LASER SPECKLE NOISE MITIGATION	SN	63351288	10-Jun- 2022	,	•
Rockley Photonics Limited	RPAT236US(P)	LASER	SN	63402637	31- Aug- 2022	,	'
Rockley Photonics Limited	RPAT237US(P)	WEARABLE DEVICE	SN	63371732	17- Aug- 2022	-	1
Rockley Photonics Limited	RPAT237US(P2)	WEARABLE BAND	SN	63373853	29- Aug- 2022	-	1
Rockley Photonics Limited	RPAT238US(P)	INTEGRATED MIRROR WITH INSITU MONITOR	SN	63374692	06- Sep- 2022	•	1
Rockley Photonics Limited	RPAT239US(P)	OPTICAL INTERFACE WITH DEFORMABLE MIRROR	SN	63400713	24- Aug- 2022	-	'
Rockley Photonics Limited	RPAT241US(P)	STAMP	SN	63378044	30- Sep- 2022	•	'
Rockley Photonics Limited	RPAT242US(P)	Method of micro-transfer printing	SN	63380361	20- Oct- 2022	-	1

Rockley Photonics Limited	Rockley Photonics Limited	Rockley Photonics Limited	OWNER
RPDP001US	RPAT245US(P)	RPAT244US(P)	ROCKLEY REF
WEARABLE ELECTRONIC DEVICE (DESIGN PATENT)	Repositionable volar module	Two-module wearable device	TITLE
US	S	S	COUNTRY
29850201	63413181	63379282	APPLICATION NUMBER
17- Aug- 2022	04- Oct- 2022	12- Oct- 2022	DATE FILED
,		,	PUBLICATION NUMBER
1	-	•	GRANT DATE
	1	1	PATENT NUMBER

[Annex II to Release of Security Interest in Intellectual Property Collateral]

RECORDED: 03/19/2023

Acknowledgement of Trademark Security Interest that was recorded with the United States Patent and Trademark Office on October 25, 2022 at Reel/Frame 7876/0634, as follows:

TRADEMARKS

Rocking Photonics Limited	Limited Reckley Photonics Limited	Rocking Photonics	Rocking Photonics Limited	Rockiey Photonics Limited	Rockley Photonics Limited	Rockies Photonics Limited	Rockiny Photonics Limited	Omner
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