

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6257237

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST FOR PATENT SECURITY AGREEMENT FILED AT REEL/FRAME 50395/0398

CONVEYING PARTY DATA

Name	Execution Date
BPCR LIMITED PARTNERSHIP	08/18/2020

RECEIVING PARTY DATA

Name:	NOVOCURE GMBH
Street Address:	6 PARK
City:	ROOT D4 6039
State/Country:	SWITZERLAND

PROPERTY NUMBERS Total: 74

Property Type	Number
Patent Number:	6868289
Patent Number:	7016725
Patent Number:	7089054
Patent Number:	7136699
Patent Number:	7146210
Patent Number:	7333852
Patent Number:	7467011
Patent Number:	7519420
Patent Number:	7565205
Patent Number:	7565206
Patent Number:	7599745
Patent Number:	7599746
Patent Number:	7706890
Patent Number:	7715921
Patent Number:	7805201
Patent Number:	7890183
Patent Number:	7912540
Patent Number:	7917227
Patent Number:	8019414
Patent Number:	8027738
Patent Number:	8170684

PATENT

Property Type	Number
Patent Number:	8175698
Patent Number:	8229555
Patent Number:	8244345
Patent Number:	8406870
Patent Number:	8447395
Patent Number:	8447396
Patent Number:	8465533
Patent Number:	8706261
Patent Number:	8715203
Patent Number:	8718756
Patent Number:	8764675
Patent Number:	9023090
Patent Number:	9023091
Patent Number:	9039674
Patent Number:	9056203
Patent Number:	9440068
Patent Number:	9655669
Patent Number:	9750934
Patent Number:	9910453
Patent Number:	10188851
Patent Number:	10441776
Patent Number:	RE43618
Application Number:	15478066
Application Number:	15493309
Application Number:	15636736
Application Number:	15643578
Application Number:	15674984
Application Number:	15840191
Application Number:	15872318
Application Number:	16120927
Application Number:	16222042
Application Number:	62654679
Application Number:	62655670
Application Number:	62695918
Application Number:	62695925
Application Number:	62700080
Application Number:	62722100
Application Number:	62722478

Property Type	Number
Application Number:	62728174
Application Number:	62741791
Application Number:	62745689
Application Number:	62749305
Application Number:	62750315
Application Number:	62754901
Application Number:	62760998
Application Number:	62769319
Application Number:	62772867
Application Number:	62781358
Application Number:	62789660
Application Number:	62808923
Application Number:	62810823
Application Number:	62811311
Application Number:	62826114

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.

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ATTORNEY DOCKET NUMBER:	55118-10220
NAME OF SUBMITTER:	LAUREN G. GRAU
SIGNATURE:	/Lauren G. Grau/
DATE SIGNED:	08/19/2020

Total Attachments: 15

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RELEASE OF PATENT SECURITY INTEREST

THIS RELEASE OF PATENT SECURITY INTEREST (this “Release”) is made as of August 18 2020, (“Effective Date”) by BPCR LIMITED PARTNERSHIP in its capacity as lender (in such capacity, the “Lender”), in favor of NOVOCURE GMBH (the “Grantor”). All terms not herein defined, have the meanings set forth in the Loan Agreement, the Security Agreement and the Patent Agreement referenced below.

WHEREAS, NovoCure Limited and the Lender (as successor-in-interest to BioPharma Credit PLC (“BioPharma”)) entered into that certain Loan and Security Agreement dated as of February 7, 2018 (as amended, restated, supplemented or otherwise modified from time to time, the “Loan Agreement”);

WHEREAS, in connection with the Loan Agreement, the Grantor and the Lender (as successor-in-interest to BioPharma) entered into that certain Guaranty and Security Agreement dated as of February 7, 2018 (as amended, restated, supplemented or otherwise modified from time to time, the “Security Agreement”) executed in order to secure the prompt and complete payment, observance and performance of all of the Obligations in accordance with the terms and conditions of the Loan Agreement and the various other loan documents;

WHEREAS, pursuant to the Security Agreement, the Grantor was required to execute and deliver a Patent Security Agreement dated as of April 24, 2019 (the “Patent Agreement”) to the Lender (as successor-in-interest to BioPharma) for purposes of filing with the United States Patent and Trademark Office (“USPTO”);

WHEREAS, pursuant to the Security Agreement and the Patent Agreement, the Grantor granted to the Lender, on behalf of itself and the other Secured Parties, among other Patent Collateral as set forth therein, a continuing security interest in and continuing lien upon all of the Grantor’s right, title and interest in, to and under the United States patents and applications listed on the attached Schedule A (the “Patents”);

WHEREAS, the Patent Agreement was recorded in the USPTO on May 6, 2019 at Reel/Frame 050395/0398; and

WHEREAS, the Lender, on behalf of itself and the other Secured Parties, wishes to release its continuing security interest in and continuing liens upon the Patent Collateral, including the Patents on Schedule A, in accordance with the Security Agreement.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Lender, on behalf of itself and the other Secured Parties, hereby (i) terminates, releases and fully discharges its continuing security interest in and continuing lien upon the Patent Collateral, including the Patents on Schedule A, (ii) waives and relinquishes all of its rights, powers, privileges and remedies with respect to the Patent Collateral, and (iii) assigns, transfers, and conveys to the Grantor any and all right, title or interest in, or to, the Patent Collateral that the Lender may hold.

This Release has been executed and delivered by the Lender for the purpose of recording with the USPTO (and the Lender hereby authorizes such recording).

The Lender agrees, at the Grantor's expense, to take all further actions, and provide to the Grantor and its successors, assigns and legal representatives all such cooperation and assistance, including, without limitation, the execution and delivery of any and all further documents or other instruments, as the Grantor and its successors, assigns and legal representatives may reasonably request in order to confirm, effectuate or record this Release.

This Release 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 Lender has caused this Release to be executed by its duly authorized representative effective as of the Effective Date.

BPCR LIMITED PARTNERSHIP, as Lender

By: Pharmakon Advisors, LP,
its Investment Manager

By: Pharmakon Management I, LLC,
its General Partner

By: 
Name: Pedro Gonzalez de Cosio
Title: Managing Member

Signature Page to Release of Patent Security Interest

PATENT
REEL: 053538 FRAME: 0629

SCHEDULE A

Patent Registrations

1. REGISTERED PATENTS

US Patents

<u>Name of Entity</u>	<u>Title</u>	<u>Filing Date</u>	<u>Issue Date</u>	<u>Status</u>	<u>Application/ Registration No.</u>
NovoCure Limited	Apparatus for Treating a Tumor or The Like and Articles Incorporating the Apparatus for Treatment of the Tumor	12/10/2002	3/15/2005	Issued	6868289
NovoCure Limited	Method and Apparatus for Destroying Dividing Cells	11/5/2002	3/21/2006	Issued	7016725
NovoCure Limited	Apparatus and Method for Treating a Tumor or the Like	10/31/2002	8/8/2006	Issued	7089054
NovoCure Limited	Apparatus for Destroying Dividing Cells	10/2/2002	11/14/2006	Issued	7136699
NovoCure Limited	Apparatus and Method for Optimizing Tumor Treatment Efficiency by Electric Fields	5/28/2003	12/5/2006	Issued	7146210
NovoCure Limited	Method and Apparatus for Destroying Dividing Cells	10/16/2002	2/19/2008	Reissued	7333852
NovoCure Limited	Method and Apparatus for Destroying Dividing Cells	8/27/2008	2/19/2008	Issued	RE43618
NovoCure Limited	Hat for Treating a Tumor or the Like	6/14/2006	12/16/2008	Issued	7467011
NovoCure Limited	Apparatus for Selectively Destroying Dividing Cells	9/6/2006	4/14/2009	Issued	7519420
NovoCure Limited	Treating a Tumor or the Like with Electric Fields at Different Orientations	4/21/2005	7/21/2009	Issued	7565205
NovoCure Limited	Treating a Tumor or the Like with Electric Fields at Different Orientations	12/27/2005	7/21/2009	Issued	7565206
NovoCure Limited	Treating a Tumor or the Like with an Electric Field	4/21/2005	10/6/2009	Issued	7599745
NovoCure Limited	Apparatus and Method for Preventing the Spread of Cancerous Metastases and for Elimination of Metastases	6/7/2006	10/6/2009	Issued	7599746
NovoCure Limited	Treating a Tumor or the Like with an Electric Field that is Focused at a Target Region	3/7/2005	4/27/2010	Issued	7706890

NovoCure Limited	Electrodes for Applying an Electric Field In-Vivo Over an Extended Period of Time	12/5/2005	5/11/2010	Issued	7715921
NovoCure Limited	Treating a Tumor or the Like with an Electric Field	4/21/2005	9/28/2010	Issued	7805201
NovoCure Limited	Treating Parasites with Electric Fields	8/13/2008	2/15/2011	Issued	7890183
NovoCure Limited	Article of Clotting for Treating a Tumor or the Like	6/14/2006	3/22/2011	Issued	7912540
NovoCure Limited	Optimizing Characteristics of an Electric Field to Increase the Field's Effect on Proliferating Cells	9/29/2006	3/29/2011	Issued	7917227
NovoCure Limited	Treating Cancer Using Electromagnetic Fields in Combination with Other Treatment Regimens	4/2/2007	9/13/2011	Issued	8019414
NovoCure Limited	Probe for Treating a Tumor or the Like	6/14/2006	9/27/2011	Issued	8027738
NovoCure Limited	Electrodes for Applying an Electric Field In-Vivo Over an Extended Period of Time	3/23/2010	5/1/2012	Issued	8170684
NovoCure Limited	Treating Bacteria with Electric Fields	6/26/2008	5/8/2012	Issued	8175698
NovoCure Limited	Probe for Treating a Tumor or the Like	9/2/2011	7/24/2012	Issued	8229555
NovoCure Limited	Treating a Tumor or the Like with Electric Fields at Different Frequencies	4/21/2005	8/14/2012	Issued	8244345
NovoCure Limited	Treating Cancer Using Electromagnetic Fields in Combination with Other Treatment Regimens	8/24/2011	3/26/2013	Issued	8406870
NovoCure Limited	Treating Bacteria with Electric Fields	12/2/2010	5/21/2013	Issued	8447395
NovoCure Limited	Treating Bacteria with Electric Fields	3/23/2012	5/21/2013	Issued	8447396
NovoCure Limited	Treating Cancer Using Electromagnetic Fields in Combination with Photodynamic Therapy	3/5/2008	6/18/2013	Issued	8465533
NovoCure Limited	Treating a Tumor or the Like with Electric Fields at Different Frequencies	7/11/2012	4/22/2014	Issued	8706261
NovoCure Limited	Composite Electrode	9/17/2007	5/6/2014	Issued	8715203
NovoCure Limited	Optimizing Characteristics of an Electric Field to Increase the Field's Effect on Proliferating Cells	8/6/2010	5/6/2014	Issued	8718756
NovoCure Limited	Composite Electrode	3/8/2013	7/1/2014	Issued	8764675
NovoCure Limited	Treating Cancer Using Electromagnetic Fields in Combination with Photodynamic Therapy	3/7/2013	5/5/2015	Issued	9023090

NovoCure Limited	Treating Cancer Using Electromagnetic Fields in Combination with Photodynamic Therapy	3/7/2013	5/5/2015	Issued	9023091
NovoCure Limited	Treating Bacteria with Electric Fields	3/1/2013	5/26/2015	Issued	9039674
NovoCure Limited	Treating Bacteria with Electric Fields	3/1/2013	6/16/2015	Issued	9056203
NovoCure Limited	Treating Bacteria with Electric Fields	6/5/2015	9/13/2016	Issued	9440068
NovoCure Limited	Optimizing Treatment Using TTFields by Changing the Frequency During the Course of Long Term Tumor Treatment	5/5/2014	5/23/2017	Issued	9655669
NovoCure Limited	Treating Bacteria with Electric Fields	8/8/2016	9/5/2017	Issued	9750934
NovoCure Limited	High Voltage, High Efficiency Sine Wave Generator with Pre-Set Frequency and Adjustable Amplitude	9/15/2016	3/6/2018	Issued	9910453
NovoCure Limited	TTField Treatment with Optimization of Electrode Positions on the Head Based on MRI-Based Conductivity Measurements	10/27/2016	1/29/2019	Issued	10188851

Non-US Patents

Name of Entity	Country	Title	Filing Date	Status	Application No./Registered No.
NovoCure Limited	Austria	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Austria	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Austria	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Austria	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	Austria	"Electrode Re-Positioning"	05/12/2005	Issued	2364747
NovoCure (Israel) Ltd.	Austria	"Optimizing Characteristics"	29/09/2006	Issued	1933937
NovoCure (Israel) Ltd.	Austria	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Austria	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	Austria	"Field Guides"	08/06/2005	Issued	1899001
NovoCure Limited	Belgium	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Belgium	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Belgium	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Belgium	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	Belgium	"Electrode Re-Positioning"	05/12/2005	Issued	2364747

NovoCure (Israel) Ltd.	Belgium	"Optimizing Characteristics"	29/09/2006	Issued	1933937
NovoCure (Israel) Ltd.	Belgium	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Belgium	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	Belgium	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Canada	High Voltage, High Efficiency Sine Wave Generator with Pre-Set Frequency and Adjustable Amplitude	9/19/2016	Issued	2942319
NovoCure Limited	Canada	"Electrode Re-Positioning"	05/12/2005	Issued	2590342
NovoCure (Israel) Ltd.	Canada	"Optimizing Characteristics"	29/09/2006	Issued	2624624
NovoCure (Israel) Ltd.	Canada	"Treating Parasites"	13/08/2008	Issued	2696352
NovoCure (Israel) Ltd.	Canada	"Treating a Tumor or the Like"	21/04/2005	Issued	2563817
NovoCure (Israel) Ltd.	Canada	"Treating Bacteria"	27/06/2008	Issued	2697012
NovoCure Limited	Canada	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2499845
NovoCure Limited	Canada	"Phase-Shifting Rotation"	27/12/2005	Issued	2594231
NovoCure Limited	Canada	"Field Guides"	08/06/2006	Issued	2611398
NovoCure Limited	Canada	"Selectively/Destructing Dividing Cells"	16/02/2001	Issued	2400326
NovoCure Limited	China	"Electrode Re-Positioning"	05/12/2005	Issued	ZL200580046784.0
NovoCure Limited	China	"Electrode Re-Positioning"	05/12/2005	Issued	ZL201010399490.3
NovoCure (Israel) Ltd.	China	"Optimizing Characteristics"	29/09/2006	Issued	ZL201510091454.9
NovoCure (Israel) Ltd.	China	"Treating a Tumor or the Like"	21/04/2005	Issued	ZL200580018206.6
NovoCure Limited	China	"Phase-Shifting Rotation"	27/12/2005	Issued	ZL200580048335.X
NovoCure Limited	China	"Phase-Shifting Rotation"	27/12/2005	Issued	ZL201110726148.3
NovoCure Limited	China	"Field Guides"	08/06/2006	Issued	ZL200680026027.1
NovoCure Limited	Czech Republic	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Czech Republic	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Czech Republic	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Czech Republic	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	Czech Republic	"Electrode Re-Positioning"	05/12/2005	Issued	2364747
NovoCure (Israel) Ltd.	Czech Republic	"Optimizing Characteristics"	29/09/2006	Issued	1933937
NovoCure (Israel) Ltd.	Czech Republic	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Czech Republic	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	Czech Republic	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Denmark	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Denmark	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Denmark	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Denmark	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	Denmark	"Electrode Re-Positioning"	05/12/2005	Issued	2364747
NovoCure (Israel) Ltd.	Denmark	"Optimizing Characteristics"	29/09/2006	Issued	1933937

NovoCure (Israel) Ltd.	Denmark	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Denmark	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	Denmark	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Finland	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Finland	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Finland	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Finland	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	Finland	"Electrode Re-Positioning"	05/12/2005	Issued	2364747
NovoCure (Israel) Ltd.	Finland	"Optimizing Characteristics"	29/09/2006	Issued	1933937
NovoCure (Israel) Ltd.	Finland	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Finland	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	Finland	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	France	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	France	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	France	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	France	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	France	"Electrode Re-Positioning"	05/12/2005	Issued	2364747
NovoCure (Israel) Ltd.	France	"Optimizing Characteristics"	29/09/2006	Issued	1933937
NovoCure (Israel) Ltd.	France	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	France	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	France	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Germany	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Germany	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Germany	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Germany	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	Germany	"Electrode Re-Positioning"	05/12/2005	Issued	2364747
NovoCure (Israel) Ltd.	Germany	"Optimizing Characteristics"	29/09/2006	Issued	1933937
NovoCure (Israel) Ltd.	Germany	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Germany	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	Germany	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Greece	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Greece	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Greece	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Greece	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	Greece	"Electrode Re-Positioning"	05/12/2005	Issued	2364747
NovoCure (Israel) Ltd.	Greece	"Optimizing Characteristics"	29/09/2006	Issued	1933937
NovoCure (Israel) Ltd.	Greece	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Greece	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602

NovoCure Limited	Greece	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Hong Kong	"Electrode Re-Positioning"	05/12/2005	Issued	1142019
NovoCure Limited	Hungary	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Ireland	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Ireland	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Ireland	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Ireland	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	Ireland	"Electrode Re-Positioning"	05/12/2005	Issued	2364747
NovoCure (Israel) Ltd.	Ireland	"Optimizing Characteristics"	29/09/2006	Issued	1933937
NovoCure (Israel) Ltd.	Ireland	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Ireland	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	Ireland	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Ireland	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Ireland	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Ireland	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Ireland	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
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NovoCure (Israel) Ltd.	Ireland	"Optimizing Characteristics"	29/09/2006	Issued	1933937
NovoCure (Israel) Ltd.	Ireland	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Ireland	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	Ireland	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Japan	"Electrode Re-Positioning"	05/12/2005	Issued	5260056
NovoCure Limited	Japan	"Electrode Re-Positioning"	05/12/2005	Issued	5633954
NovoCure (Israel) Ltd.	Japan	"Treating Parasites"	13/08/2008	Issued	5485153
NovoCure (Israel) Ltd.	Japan	"Treating a Tumor or the Like"	21/04/2005	Issued	4750784
NovoCure Limited	Japan	"Apparatus for Treating a Tumor"	01/10/2003	Issued	4350042
NovoCure Limited	Japan	"Phase-Shifting Rotation"	27/12/2005	Issued	5559460
NovoCure Limited	Japan	"Field Guides"	08/06/2006	Issued	5451067
NovoCure Limited	Japan	"Selectively/Destroying Dividing Cells"	16/02/2001	Issued	5280600
NovoCure Limited	Netherlands	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Netherlands	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Netherlands	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Netherlands	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	Netherlands	"Electrode Re-Positioning"	05/12/2005	Issued	2364747
NovoCure (Israel) Ltd.	Netherlands	"Optimizing Characteristics"	29/09/2006	Issued	1933937
NovoCure (Israel) Ltd.	Netherlands	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Netherlands	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	Netherlands	"Field Guides"	08/06/2006	Issued	1899001

NovoCure Limited	Poland	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Portugal	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Portugal	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Portugal	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Portugal	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	Portugal	"Electrode Re-Positioning"	05/12/2005	Issued	2364747
NovoCure (Israel) Ltd.	Portugal	"Optimizing Characteristics"	29/09/2006	Issued	1933937
NovoCure (Israel) Ltd.	Portugal	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Portugal	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	Portugal	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Spain	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Spain	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Spain	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Spain	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	Spain	"Electrode Re-Positioning"	05/12/2005	Issued	2364747
NovoCure (Israel) Ltd.	Spain	"Optimizing Characteristics"	29/09/2006	Issued	1933937
NovoCure (Israel) Ltd.	Spain	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Spain	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	Spain	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Sweden	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Sweden	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Sweden	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Sweden	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	Sweden	"Electrode Re-Positioning"	05/12/2005	Issued	2364747
NovoCure (Israel) Ltd.	Sweden	"Optimizing Characteristics"	29/09/2006	Issued	1933937
NovoCure (Israel) Ltd.	Sweden	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Sweden	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	Sweden	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Switzerland / Liechtenstein	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	Switzerland / Liechtenstein	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	Switzerland / Liechtenstein	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	Switzerland / Liechtenstein	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure Limited	Switzerland / Liechtenstein	"Electrode Re-Positioning"	05/12/2005	Issued	2364747

NovoCure (Israel) Ltd.	Switzerland / Liechtenstein	"Optimizing Characteristics"	29/09/2006	Issued	19339937
NovoCure (Israel) Ltd.	Switzerland / Liechtenstein	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	Switzerland / Liechtenstein	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	Switzerland / Liechtenstein	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	Turkey	"Field Guides"	08/06/2006	Issued	1899001
NovoCure Limited	United Kingdom	"Electrode Re-Positioning"	05/12/2005	Issued	1833552
NovoCure Limited	United Kingdom	"Electrode Re-Positioning"	05/12/2005	Issued	2161054
NovoCure Limited	United Kingdom	"Electrode Re-Positioning"	05/12/2005	Issued	2364748
NovoCure Limited	United Kingdom	"Electrode Re-Positioning"	05/12/2005	Issued	2345451
NovoCure (Israel) Ltd.	United Kingdom	"Optimizing Characteristics"	29/09/2006	Issued	1933997
NovoCure (Israel) Ltd.	United Kingdom	"Photodynamic Therapy"	05/03/2008	Issued	2167194
NovoCure Limited	United Kingdom	"Apparatus for Treating a Tumor"	01/10/2003	Issued	2281602
NovoCure Limited	United Kingdom	"Field Guides"	08/06/2006	Issued	1899001

2. PATENT APPLICATIONS

US Patent Applications

Name of Entity	Title	Filing Date	Status	Application/Registration No.
NovoCure Limited	Reducing Mortality of Cancer Cells Using Tumor Treating Fields (TTFields)	4/3/2017	Pending	15/478,066
NovoCure Limited	Optimizing Treatment Using TTFields by Changing the Frequency During the Course of Long Term Tumor Treatment	4/21/2017	Pending	15/493,309
NovoCure Limited	Arrays for Longitudinal Delivery of TTFields to a Body	6/29/2017	Pending	15/636,722
NovoCure Limited	Arrays for Longitudinal Delivery of TTFields to a Body	6/29/2017	Pending	15/636,736
NovoCure Limited	Synchronizing Tumor Cells to the G2/M Phase Using TTFields Combined with Taxane or Other Anti-Microtubule Agents	7/7/2017	Pending	15/643,578
NovoCure Limited	Temperature Measurement in Arrays for Delivering TTFields	8/11/2017	Pending	15/674,984

NovoCure Limited	Treating Patients with TTFIELDS with the Electrode Positions Optimized Using Deformable Templates	12/13/2017	Pending	15/840,191
NovoCure Limited	System for Viewing Cell Cultures Under a Microscope whilst Applying TTFIELDS	1/16/2018	Pending	15/872,318
NovoCure Limited	Delivering Tumor Treating Fields (TTFIELDS) to the Infratentorial Brain	9/4/2018	Pending	16/120,927
NovoCure Limited	TTFIELD Treatment with Optimization of Electrode Positions on the Head Based on MRI-Based Conductivity Measurements	12/17/2018	Pending	16/222,042
NovoCure Limited	Treating Tumors Using TTFIELDS Combined with a Kinase Inhibitor	4/9/2018	Pending	62/654,679
NovoCure Limited	Water Content-Based Electrical Properties Tomography (wEPT) for Modelling Delivery of Tumor Treating Fields (TTFIELDS) to the Brain	4/10/2018	Pending	62/655,670
NovoCure Limited	Methods and Compositions for Treating Tumors with TTFIELDS and Sorafenib	7/10/2018	Pending	62/695,918
NovoCure Limited	Inhibiting Viral Infection Using Alternating Electric Fields	7/10/2018	Pending	62/695,925
NovoCure Limited	Using Power Density Loss and Related Measures to Quantify the Dose of Tumor Treating Fields (TTFIELDS)	7/18/2018	Pending	62/700,080
NovoCure Limited	Using Alternating Electric Fields to Increase Permeability of the Blood Brain Barrier	8/23/2018	Pending	62/722,100
NovoCure Limited	Treating Epithelioid Mesothelioma with TTFIELDS Combined with Penretrexed and Cisplatin/Carboplatin	8/24/2018	Pending	62/722,478
NovoCure Limited	Treating Autoimmune Diseases Using an Alternating Electric Field to Reduce the Proliferation of T-Cells	9/7/2018	Pending	62/728,174
NovoCure Limited	Treating Tumors Using TTFIELDS Combined with ABT-751	10/5/2018	Pending	62/741,791
NovoCure Limited	Generating Tumor Treating Fields (TTFIELDS) with High Uniformity throughout the Brain	10/15/2018	Pending	62/745,689
NovoCure Limited	Prevention and Treatment of Teratoma Formation for Stem Cell Therapies Using Tumor-Treating Fields	10/23/2018	Pending	62/749,305

NovoCure Limited	Delivering Tumor Treating Fields (TTFields) to the Spinal Cord	10/25/2018	Pending	62/750,315
NovoCure Limited	Using Power Density Loss and Related Measures to Quantify the Dose of Tumor Treating Fields (TTFields)	11/22/2018	Pending	62/754,901
NovoCure Limited	Creating Accurate Computational Head Models of Patients Using Datasets Combining MRI and CT Images	11/14/2018	Pending	62/760,998
NovoCure Limited	Arrays for Delivering Tumor Treating Fields (TTFields) with Selectively Addressable Sub-Elements	11/19/2018	Pending	62/769,319
NovoCure Limited	Enhanced-Flexibility Transducer Arrays for Delivering TTFields (Tumor Treating Fields)	11/29/2018	Pending	62/772,867
NovoCure Limited	Delivering Tumor Treating Fields (TTFields) to the Spinal Cord	12/18/2018	Pending	62/781,358
NovoCure Limited	Evaluating Quality of Segmentation of an Image into Different Types of Tissue	1/8/2019	Pending	62/789,660
NovoCure Limited	Treating Gastric Cancer Using TTFields Combined with FOLFOX or the Individual Constituents Thereof	2/22/2019	Pending	62/808,923
NovoCure Limited	Determining a Frequency for TTFields Treatment Based on an Electrical Characteristic of Targeted Cancer Cells	2/26/2019	Pending	62/810,823
NovoCure Limited	Delivering Tumor Treating Fields (TTFields) Using Implantable Transducer Arrays	2/27/2019	Pending	62/811,311
NovoCure Limited	Treating Tumors with TTFields and an Aurora Kinase Inhibitor	3/29/2019	Pending	62/826,114

Non-US Patent Applications

<u>Name of Entity</u>	<u>Country</u>	<u>Title</u>	<u>Date Filed</u>	<u>Status</u>	<u>Application No. / Registered No.</u>
NovoCure Limited	Australia	"Vertical Arrays"	29/06/2017	Pending	201789870
NovoCure Limited	Australia	"Temperature Measurement Hub"	11/08/2017	Pending	2017313423
NovoCure Limited	Brazil	"Temperature Measurement Hub"	11/08/2017	Pending	BR112019003199.5

NovoCure Limited	Canada	Synchronizing Tumor Cells to the G2/M Phase Using TTFields Combined with Taxane to Sensitize the Tumor Cells to Radiation Therapy	7/7/2017	Pending	2972699
NovoCure Limited	Canada	Delivering Tumor Treating Fields (TTFields) to the Infratentorial Brain	9/7/2018	Pending	3016783
NovoCure Limited	Canada	"Apparatus for Treating a Tumor"	01/10/2003	Pending	2930736
NovoCure (Israel) Ltd.	Canada	"Chemotherapeutic Treatment"	03/04/2007	Pending	2648388
NovoCure Limited	Canada	"Reducing Motility of Cancer Cells"	04/04/2017	Pending	3019474
NovoCure Limited	Canada	"Vertical Arrays"	29/06/2017	Pending	3029468
NovoCure Limited	Canada	"Temperature Measurement Hub"	11/08/2017	Pending	3032571
NovoCure (Israel) Ltd.	China	"Optimizing Characteristics"	29/09/2006	Pending	200680043421.6
NovoCure (Israel) Ltd.	China	"Treating Bacteria"	27/06/2008	Pending	201811557620.X
NovoCure Limited	China	"Vertical Arrays"	29/06/2017	Pending	201780050534.7
NovoCure Limited	China	"Temperature Measurement Hub"	11/08/2017	Pending	201780049741.0
NovoCure Limited	Europe	"Reducing Motility of Cancer Cells"	04/04/2017	Pending	17716642.8
NovoCure Limited	Europe	"Vertical Arrays"	29/06/2017	Pending	17745871.8
NovoCure Limited	Europe	"Temperature Measurement Hub"	11/08/2017	Pending	17767932.1
NovoCure (Israel) Ltd.	European Patent Office	"Optimizing Characteristics"	29/09/2006	Pending	15151025.2
NovoCure (Israel) Ltd.	European Patent Office	"Treating Parasites"	13/08/2008	Pending	08789083.6
NovoCure (Israel) Ltd.	European Patent Office	"Photodynamic Therapy"	05/03/2008	Pending	17166959.1
NovoCure (Israel) Ltd.	European Patent Office	"Treating Bacteria"	27/06/2008	Pending	08788839.2
NovoCure Limited	European Patent Office	"Apparatus for Treating a Tumor"	01/10/2003	Pending	03799042.1
NovoCure Limited	European Patent Office	"Apparatus for Treating a Tumor"	01/10/2003	Pending	10012716.6
NovoCure Limited	European Patent Office	"Apparatus for Treating a Tumor"	01/10/2003	Pending	10012706.7
NovoCure Limited	European Patent Office	"Apparatus for Treating a Tumor"	01/10/2003	Pending	10012777.8
NovoCure Limited	European Patent Office	"Phase-Shifting Rotator"	27/12/2005	Pending	05856273.7
NovoCure (Israel) Ltd.	European Patent Office	"Chemotherapeutic Treatment"	03/04/2007	Pending	07872062.0

NovoCure Limited	European Patent Office	"Selectively/Destroying Dividing Cells"	16/02/2001	Pending	01966036.7
NovoCure Limited	European Patent Office	"Selectively/Destroying Dividing Cells"	16/02/2001	Pending	10012031.0
NovoCure (Israel) Ltd	Hong Kong	"Treating Parasites"	13/08/2008	Pending	10105140.6
NovoCure (Israel) Ltd	Hong Kong	"Treating Bacteria"	27/06/2008	Pending	10106421.4
NovoCure Limited	Hong Kong	"Apparatus for Treating a Tumor"	01/10/2003	Pending	11108301.4
NovoCure Limited	Hong Kong	"Apparatus for Treating a Tumor"	01/10/2003	Pending	11108288.1
NovoCure Limited	Hong Kong	"Apparatus for Treating a Tumor"	01/10/2003	Pending	11108300.5
NovoCure Limited	Hong Kong	"Apparatus for Treating a Tumor"	01/10/2003	Pending	11108302.3
NovoCure Limited	Hong Kong	"Reducing Motility of Cancer Cells"	04/04/2017	Pending	19120197.9
NovoCure Limited	India	"Vertical Arrays"	29/06/2017	Pending	201917003038
NovoCure Limited	India	"Temperature Measurement Hub"	11/08/2017	Pending	20191700321.7
NovoCure Limited	Japan	"Reducing Motility of Cancer Cells"	04/04/2017	Pending	2019-502289
NovoCure Limited	Japan	"Vertical Arrays"	29/06/2017	Pending	2018-568753
NovoCure Limited	Japan	"Temperature Measurement Hub"	11/08/2017	Pending	2019-508909
NovoCure Limited	Korea	"Reducing Motility of Cancer Cells"	04/04/2017	Pending	2018-7030890
NovoCure Limited	Korea	"Vertical Arrays"	29/06/2017	Pending	2019-7003145
NovoCure Limited	Korea	"Temperature Measurement Hub"	11/08/2017	Pending	2019-7007673
NovoCure Limited	New Zealand	"Vertical Arrays"	29/06/2017	Pending	750169
NovoCure Limited	New Zealand	"Temperature Measurement Hub"	11/08/2017	Pending	750440
NovoCure Limited	World	Treating Patients with TFields with the Electrode Positions Optimized Using Deformable Templates	12/13/2017	Pending	PCT/IB2017/057901
NovoCure Limited	World	System for Viewing Cell Cultures under a Microscope Whilst Applying TFields	11/6/2018	Pending	PCT/IB2018/050265

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