

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TRANSPHARMA MEDICAL LTD	03/08/2012

RECEIVING PARTY DATA

Name:	SYNERON MEDICAL LTD
Street Address:	P.O. Box 550
City:	Yokneam Illit
State/Country:	ISRAEL
Postal Code:	20692

PROPERTY NUMBERS Total: 21

Property Type	Number
Patent Number:	7164942
Application Number:	12676983
Application Number:	11915831
Application Number:	12740184
Application Number:	13013413
Application Number:	13203436
Patent Number:	7415306
Patent Number:	7335377
Patent Number:	7363075
Patent Number:	7383084
Patent Number:	7662404
Patent Number:	8133505
Patent Number:	7395111
Patent Number:	8016810
Application Number:	10580875

OP \$840.00 7164942

Patent Number:	8041421
Application Number:	11571460
Patent Number:	7558625
Application Number:	13061466
Patent Number:	7947304
Application Number:	13054908

CORRESPONDENCE DATA

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 Phone: 770-709-0056
 Email: gsmith@srtslaw.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
 Correspondent Name: SMITH RISLEY TEMPEL SANTOS LLC
 Address Line 1: Two Ravinia Drive
 Address Line 2: Suite 700
 Address Line 4: ATLANTA, GEORGIA 30346

ATTORNEY DOCKET NUMBER:	19071.1490-1710
NAME OF SUBMITTER:	Gregory Scott Smith

Total Attachments: 37
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APPENDIX 3.2(E)(1)

PATENTS ASSIGNMENT AGREEMENT

Made as a Deed

This Patents Assignment Agreement (the "**Deed of Assignment**") is made and entered into as of March 7, 2012, ("**Effective Date**"), by and between Syneron Medical Ltd., a company organized and existing under the laws of the state of Israel having a place of business at P.O. Box 550, Yokneam Illit, Israel ("**Syneron**"), and TransPharma Medical Ltd., a company organized and existing under the laws of the state of Israel having a place of business at 2 Yodfat St. Northern Ind. Zone, Lod, 71291 Israel ("**TransPharma**"). Syneron and TransPharma shall be referred to collectively as the "**Parties**".

RECITALS

WHEREAS, On March 7, 2012, the Parties entered into an Asset Purchase Agreement (the "**Agreement**") wherein TransPharma has provided certain representations with regard to its full and exclusive ownership in certain patents and patent applications set forth in Annex 1 attached hereto, together with any and all rights pertaining thereto (hereinafter, the "**Patent Property**"); and

WHEREAS, Pursuant to such representations and for good and valuable consideration as set forth in the Agreement, the Parties have agreed that TransPharma will irrevocably assign, convey and transfer all of TransPharma's rights, title and interests in and to the Patent Property to Syneron;

NOW, THEREFORE, Pursuant to the Agreement, and in consideration of good and valuable payment the receipt and sufficiency of which is hereby acknowledged, the Parties hereto hereby agree to execute this Deed of Assignment and to be bound by its terms as follows:

TransPharma does hereby sell, assign, convey, transfer and set over to Syneron, all its right, title and interest in and to the Patent Property, as well as all provisionals, continuations, divisions, and continuations-in-part of said Patent Property, and all reissues and extensions thereof, the same to be held and enjoyed by Syneron for its own use and benefit, and for the use and benefit of its successors, assigns, or legal representatives, to the end of the term or terms for which such Patent Property may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by TransPharma if this Deed of Assignment had not been executed.

TransPharma hereby further assigns to Syneron, all right, title and interest in and to all inventions disclosed in the Patent Property throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for the Patent Property in its own name throughout the world, including without limitation all rights to publish cautionary notices reserving ownership of said inventions and all rights to register the Patent Property in appropriate registries worldwide.

TransPharma hereby further assigns and transfers unto Syneron all rights pertaining to claims for damages by reason of infringement of the Patent Property throughout the world, whether prior to the Effective Date or thereafter, with the right to sue for and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns and other legal representatives.

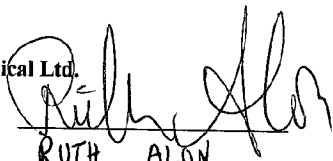
TransPharma has communicated to Syneron any material facts known to it in respect to the Patent Property and shall request its patent attorneys to communicate to Syneron all documents, correspondence and other materials contained in TransPharma's patent attorneys' files, including any improvements or enhancements pertaining thereto, and will, for the later of three (3) months following the Closing Date and the time TransPharma's shareholders finally resolve to dissolve TransPharma, execute such other instruments of conveyance and assignment, as Syneron may reasonably request in order to effectively transfer, convey, assign and deliver to Syneron any of the Patent Property and for purposes of evidencing the transactions under which Syneron has acquired full and exclusive right, title and interest in and to the Patent Property. In the event TransPharma fails to execute and deliver such documents and instruments promptly upon Syneron's request, Syneron is hereby authorized and appointed attorney-in-fact of and for TransPharma to make, execute and deliver any and all such documents and instruments.

This Deed of Assignment shall be binding on the party's successors, assigns and legal representatives.

IN WITNESS WHEREOF, the Parties have executed this Assignment Agreement as of the date first above written.

TransPharma Medical Ltd.

Signature:



By:

RUTH ALON

Title:

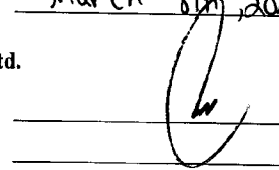
Chairman of the Board

Date:

March 8th, 2012

Syneron Medical Ltd.

Signature:



Asaf Alperant
CFO

Title:

Date:

20/3/2012

Annex 1 – Patent Property

See files:

- "Assigned Patents Appendix 1.19 (Colb)"
- "Assigned Patents Appendix 1.19 (Web)"

TRANSPHARMA MEDICAL LTD.

STATUS REPORT – February 9, 2012

File No.: 31220
Country: USA
Type: Patent
Application No.: 09/189,170
Filing Date: November 09, 1998
Registration No.: 6,148,232
Registration Date: November 14, 2000
Title: TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Final maintenance fee due May 14, 2012



File No.: 38750
Country: USA
Type: Patent
Application No.: 09/840,522
Filing Date: April 23, 2001
Registration No.: 6,708,060
Registration Date: March 16, 2004
Title: HANDHELD APPARATUS AND METHOD FOR TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Final maintenance fee due September 16, 2015

File No.: 38751
Country: USA
Type: Patent
Application No.: 09/859,646
Filing Date: May 17, 2001
Registration No.: 6,597,946
Registration Date: July 22, 2003
Title: ELECTRONIC CARD FOR TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Final maintenance fee due January 22, 2015

File No.: 38752
Country: USA
Type: Patent
Application No.: 09/635,892
Filing Date: August 10, 2000
Registration No.: 6,615,079
Registration Date: September 02, 2003
Title: TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Final maintenance fee due March 02, 2015

File No.: 38753
Country: USA
Type: Patent
Application No.: 10/021,586
Filing Date: December 12, 2001
Registration No.: 6,711,435
Registration Date: March 23, 2004
Title: TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Final maintenance fee due September 23, 2015

File No.: 41193
Country: USA
Type: Patent
Application No.: 09/859,645
Filing Date: May 17, 2001
Registration No.: 6,611,706
Registration Date: August 26, 2003
Title: MONOPOLAR AND BIPOLAR CURRENT APPLICATION FOR
TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Final maintenance fee due February 26, 2015

File No.: 42294
Country: Europe
Type: Patent
Application No.: 99952784.9
Filing Date: November 01, 1999
Registration No.:
Registration Date:
Title: TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Pending
Future Activity: Under examination – awaiting a further communication from the Examiner.
Next renewal fee due: November 01, 2012

File No.: 42295
Country: Japan
Type: Patent
Application No.: 2000-580699
Filing Date: May 09, 2001
Registration No.: 4745500
Registration Date: May 20, 2011
Title: TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Next renewal due: May 20, 2014

File No.: 42402
Country: Israel
Type: Patent
Application No.: 143014
Filing Date: May 07, 2001
Registration No.: 143014
Registration Date: September 04, 2007
Title: TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Next renewal due: November 01, 2013

File No.: 42403
Country: Canada
Type: Patent
Application No.: 2,349,169
Filing Date: November 01, 1999
Registration No.:
Registration Date:
Title: TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Pending
Future Activity: Received Notice of Allowance. Deadline for payment of issue fees and filing divisional(s): June 07, 2012

File No.: 42404
Country: Australia
Type: Patent
Application No.: 199964868
Filing Date: November 01, 1999
Registration No.: 768938
Registration Date: January 08, 2005
Title: TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Next renewal due: November 01, 2012

File No.: 42976
Country: Europe
Type: Patent
Application No.: 99961255.9
Filing Date: December 22, 1999
Registration No.:
Registration Date:
Title: TRANSDERMAL DELIVERY OF FINE POWDERS
Status: Pending
Future Activity: Request to proceed to grant based upon Examiner's proposal submitted. Await communication from EPO.
Next renewal due: December 22, 2012.

File No.: 42977
Country: Japan
Type: Patent
Application No.: 2000-590730
Filing Date: December 22, 1999
Registration No.: 4382991
Registration Date: October 02, 2009
Title: TRANSDERMAL DELIVERY OF FINE POWDERS
Status: Issued
Future Activity: Next renewal fee due: October 02, 2012

File No.: 42978
Country: Canada
Type: Patent
Application No.: 2,356,175
Filing Date: December 22, 1999
Registration No.: 2,356,175
Registration Date: October 11, 2011
Title: TRANSDERMAL DELIVERY OF FINE POWDERS
Status: Issued
Future Activity: Next renewal due: December 22, 2011

File No.: 42979
Country: Israel
Type: Patent
Application No.: 143857
Filing Date: December 22, 1999
Registration No.: 143857
Registration Date: May 10, 2008
Title: TRANSDERMAL DELIVERY OF FINE POWDERS
Status: Issued
Future Activity: Next renewal due: December 22, 2013

File No.: 42980
Country: Australia
Type: Patent
Application No.: 200017948
Filing Date: December 22, 1999
Registration No.: 760950
Registration Date: May 22, 2003
Title: TRANSDERMAL DELIVERY OF FINE POWDERS
Status: Issued
Future Activity: Next renewal due: December 22, 2012

[REDACTED]

File No.: 47828
Country: USA
Type: Patent
Application No.: 10/771,909
Filing Date: February 03, 2004
Registration No.: 7,123,957
Registration Date: October 17, 2006
Title: TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Next maintenance fee due: April 17, 2014

File No.: 48725
Country: USA
Type: Patent
Application No.: 10/460,484
Filing Date: June 11, 2003
Registration No.: 7,062,317
Registration Date: June 13, 2006
Title: MONOPOLAR AND BIPOLAR CURRENT APPLICATION FOR TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Next maintenance fee due: December 13, 2013

File No.: 49875
Country: Japan
Type: Patent
Application No.: 2002-583024
Filing Date: October 23, 2003
Registration No.: 4262985
Registration Date: February 20, 2009
Title: HANDHELD APPARATUS AND METHOD FOR TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Next renewal fee due: February 20, 2013

File No.: 49876
Country: Australia
Type: Patent
Application No.: 2002307781
Filing Date: November 06, 2003
Registration No.: 2002307781
Registration Date: January 25, 2007
Title: HANDHELD APPARATUS AND METHOD FOR TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Next renewal due: April 22, 2013

File No.: 49877
Country: Israel
Type: Patent
Application No.: 158582
Filing Date: October 23, 2003
Registration No.:
Registration Date:
Title: HANDHELD APPARATUS AND METHOD FOR TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Pending
Future Activity: Allowed – published in Israel Patents Journal No. 10/2011 on October 31, 2011

File No.: 50035
Country: USA
Type: Patent
Application No.: 10/775,725
Filing Date: February 09, 2004
Registration No.: 7,164,942
Registration Date: January 16, 2007
Title: HANDHELD APPARATUS AND METHOD FOR TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Next maintenance fee due: July 16, 2014

File No.: 50112
Country: Japan
Type: Patent
Application No.: 2002-588855
Filing Date: November 17, 2003
Registration No.: 4638130
Registration Date: December 03, 2010
Title: MONOPOLAR AND BIPOLAR CURRENT APPLICATION FOR
TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Next renewal fee due: December 03, 2013

File No.: 51358
Country: Europe
Type: Patent
Application No.: 02788469.1
Filing Date: November 07, 2002
Registration No.:
Registration Date:
Title: INTEGRATED TRANSDERMAL DRUG DELIVERY SYSTEM
Status: Pending
Future Activity: Under examination – awaiting a further communication from the Examiner.
Next renewal fee due: November 07, 2012
~~DEADLINE FOR FILING DIVISIONAL – FEB 22, 2012~~

File No.: 53083
Country: Europe
Type: Patent
Application No.: 03746880.8
Filing Date: April 15, 2003
Registration No.:
Registration Date:
Title: HANDHELD TRANSDERMAL DRUG DELIVERY AND ANALYTE
EXTRACTION
Status: Pending
Future Activity: Under examination – await a further communication from the Examiner
Next renewal fee due: April 15, 2012

File No.: 58084
Country: Germany
Type: Patent
Application No.: 01928182.3-2310
Filing Date: May 03, 2001
Registration No.: 60121583.4
Registration Date: July 19, 2006
Title: ELECTRICALLY-MEDIATED TRANSDERMAL DRUG INJECTION
Status: Issued
Future Activity: Next renewal due: May 03, 2012

File No.: 58085
Country: UK
Type: Patent
Application No.: 01928182.3
Filing Date: May 03, 2001
Registration No.: 1289581
Registration Date: July 19, 2006
Title: ELECTRICALLY-MEDIATED TRANSDERMAL DRUG INJECTION
Status: Issued
Future Activity: Next renewal due: May 03, 2012

File No.: 59748
Country: UK
Type: Patent
Application No.: 02730667.9
Filing Date: May 15, 2002
Registration No.: 1404406
Registration Date: February 09, 2007
Title: ELECTRONIC CARD FOR TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Next renewal due: May 15, 2012

File No.: 62897
Country: USA
Type: Patent
Application No.: 11/915,831
Filing Date: November 28, 2007
Registration No.:
Registration Date:
Title: PATCH FOR TRANSDERMAL DRUG DELIVERY
Status: Pending
Future Activity: Await communication from USPTO

File No.: 62898
Country: Europe
Type: Patent
Application No.: 06756211.6
Filing Date: December 19, 2007
Registration No.:
Registration Date:
Title: PATCH FOR TRANSDERMAL DRUG DELIVERY
Status: Pending
Future Activity: Under examination – awaiting a further communication from the Examiner
Next renewal due: June 30, 2012

File No.: 62899
Country: Canada
Type: Patent
Application No.:
Filing Date: December 05, 2007
Registration No.:
Registration Date:
Title: PATCH FOR TRANSDERMAL DRUG DELIVERY
Status: Pending
Future Activity: Next renewal fee due: June 11, 2012

File No.: 62900
Country: Japan
Type: Patent
Application No.: 2008-515379
Filing Date: December 07, 2007
Registration No.:
Registration Date:
Title: PATCH FOR TRANSDERMAL DRUG DELIVERY
Status: Pending
Future Activity: Await communication from JPO

File No.: 62901
Country: Israel
Type: Patent
Application No.: 187608
Filing Date: November 25, 2007
Registration No.:
Registration Date:
Title: PATCH FOR TRANSDERMAL DRUG DELIVERY
Status: Pending
Future Activity: Examination has been suspended until May 21, 2012

File No.: 65122
Country: Europe
Type: Patent
Application No.: 08075263.7
Filing Date: March 31, 2008
Registration No.:
Registration Date:
Title: MONOPOLAR AND BIPOLAR CURRENT APPLICATION FOR
TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Pending
Future Activity: Under examination – awaiting a further communication from the Examiner
Next renewal due: May 31, 2012

File No.: 68140
Country: UK
Type: Patent
Application No.: 04105508.8
Filing Date:
Registration No.: 1502622
Registration Date:
Title: HANDHELD APPARATUS AND METHOD FOR TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Next renewal fee due: April 30, 2012.
Payment has been received and is being processed.

File No.: 68141
Country: Germany
Type: Patent
Application No.: 04105508.8
Filing Date:
Registration No.: EP1502622
Registration Date:
Title: HANDHELD APPARATUS AND METHOD FOR TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Next renewal fee due: April 30, 2012.
Payment has been received and is being processed.

File No.: 68142
Country: France
Type: Patent
Application No.: 04105508.8
Filing Date:
Registration No.: 1502622
Registration Date:
Title: HANDHELD APPARATUS AND METHOD FOR TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Issued
Future Activity: Next renewal fee due: April 30, 2012.
Payment has been received and is being processed.

File No.: 70087
Country: USA
Type: Patent
Application No.: 12/676,983
Filing Date: October 22, 2008
Registration No.:
Registration Date:
Title: DISSOLUTION RATE VERIFICATION
Status: Pending
Future Activity: Awaiting communication from USPTO

File No.: 70088
Country: Canada
Type: Patent
Application No.: 2696227
Filing Date: October 22, 2008
Registration No.:
Registration Date:
Title: DISSOLUTION RATE VERIFICATION
Status: Pending
Future Activity: Next maintenance fee due: October 22, 2012
Examination request due date: October 22, 2013

File No.: 70089
Country: Japan
Type: Patent
Application No.: 529503/2010
Filing Date:
Registration No.:
Registration Date:
Title: DISSOLUTION RATE VERIFICATION
Status: Pending
Future Activity: Examination was requested in October 2011. We await the first communication from the Examiner

File No.: 70727
Country: USA
Type: Patent
Application No.: 12/682,291
Filing Date: October 12, 2008
Registration No.:
Registration Date:
Title: MAGNETIC PATCH COUPLING
Status: Pending
Future Activity: Await communication from USPTO.

File No.: 70728
Country: Europe
Type: Patent
Application No.: 08837792.4
Filing Date: April 21, 2011
Registration No.:
Registration Date:
Title: MAGNETIC PATCH COUPLING
Status: Pending
Future Activity: Awaiting communication from EPO
Next renewal fee due: October 12, 2012

File No.: 70729
Country: Canada
Type: Patent
Application No.: 2,704,740
Filing Date: April 08, 2011
Registration No.:
Registration Date:
Title: MAGNETIC PATCH COUPLING
Status: Pending
Future Activity: Awaiting examination
Next renewal fee due: October 12, 2012
Request for Examination due: October 12, 2013

File No.: 70730
Country: Japan
Type: Patent
Application No.: 528528/2010
Filing Date: June 08, 2010
Registration No.:
Registration Date:
Title: MAGNETIC PATCH COUPLING
Status: Pending
Future Activity: Request for examination was filed in September 2011. We await the first communication from the Examiner

File No.: 70731
Country: Israel
Type: Patent
Application No.: 204969
Filing Date: April 08, 2010
Registration No.:
Registration Date:
Title: MAGNETIC PATCH COUPLING
Status: Pending
Future Activity: Response to OA due Feb. 12, 2012. Extendable by 5 months.

File No.: 70835
Country: USA
Type: Patent
Application No.: ~~12/740,184~~
Filing Date: July 19, 2010
Registration No.:
Registration Date:
Title: VERTICAL PATCH DRYING
Status: Pending
Future Activity: Await communication from USPTO

File No.: 70836
Country: Europe
Type: Patent
Application No.: 08845172.9
Filing Date: October 29, 2008
Registration No.:
Registration Date:
Title: VERTICAL PATCH DRYING
Status: Pending
Future Activity: Search report issued. Await Communication from EPO requesting a response to the Search Report.
Next renewal fee due: October 29, 2012

File No.: 70837
Country: Canada
Type: Patent
Application No.: 2,704,164
Filing Date: October 29, 2008
Registration No.:
Registration Date:
Title: VERTICAL PATCH DRYING
Status: Pending
Future Activity: Next renewal fee due: October 29, 2012
Examination request due: October 29, 2013

File No.: 70838
Country: Japan
Type: Patent
Application No.: 530631/2010
Filing Date:
Registration No.:
Registration Date:
Title: VERTICAL PATCH DRYING
Status: Pending
Future Activity: Request for examination was filed in October 2011. We await the first communication from the Examiner

File No.: 70839
Country: Israel
Type: Patent
Application No.: 205379
Filing Date: April 27, 2010
Registration No.:
Registration Date:
Title: VERTICAL PATCH DRYING
Status: Pending
Future Activity: Outstanding official action -- FINAL DEADLINE - July 06, 2012

File No.: 71026
Country: Europe
Type: Patent
Application No.: 08839010.9
Filing Date: October 22, 2008
Registration No.:
Registration Date:
Title: DISSOLUTION RATE VERIFICATION
Status: Pending
Future Activity: Awaiting examination
Next renewal fee due: October 22, 2012

File No.: 71149
Country: USAPROVISIONAL
Type: Patent
Application No.:
Filing Date:
Registration No.:
Registration Date:
Title: MAGNETIC COUPLING OF AN ELECTRODE ARRAY
Status: In Preparation
Future Activity: Application prepared. Awaiting your approval to file application.

File No.: 71150
Country: USA
Type: Patent
Application No.: 13/013,413
Filing Date: January 25, 2011
Registration No.:
Registration Date:
Title: HANDHELD TRANSDERMAL DRUG DELIVERY AND ANALYTE EXTRACTION
Status: Pending
Future Activity: Response to OA due Feb. 28. Extendible by up to 3 months.

File No.: 71234
Country: Europe
Type: Patent
Application No.: 10182192.4
Filing Date: September 29, 2010
Registration No.:
Registration Date:
Title: MECHANICAL PRESSURE SENSOR
Status: Pending
Future Activity: Confirm that you wish this application to proceed to examination and respond to preliminary report. Deadline: March 28, 2012.
Next renewal fee due: May 31, 2012

File No.: 71235
Country: Europe
Type: Patent
Application No.: 11000062.7
Filing Date: January 06, 2011
Registration No.:
Registration Date:
Title: INTEGRATED TRANSDERMAL DRUG DELIVERY SYSTEM
Status: Pending
Future Activity: Under Examination
Next renewal fee due: November 07, 2012
Deadline for filing a divisional: Feb. 22, 2012

[REDACTED]

File No.: 72421
Country: PCT
Type: Patent
Application No.: PCT/IL2011/000315
Filing Date: April 14, 2011
Registration No.:
Registration Date:
Title: STIFFENER FOR USE WITH A DRUG PATCH
Status: Pending
Future Activity: National phase applications must be filed by October 15, 2012

[REDACTED]

File No.: 73247
Country: USA
Type: Patent
Application No.: 13/203,436
Filing Date: August 25, 2011
Registration No.:
Registration Date:
Title: ELECTRICAL SKIN REJUVENATION
Status: Pending
Future Activity: Await communication from USPTO

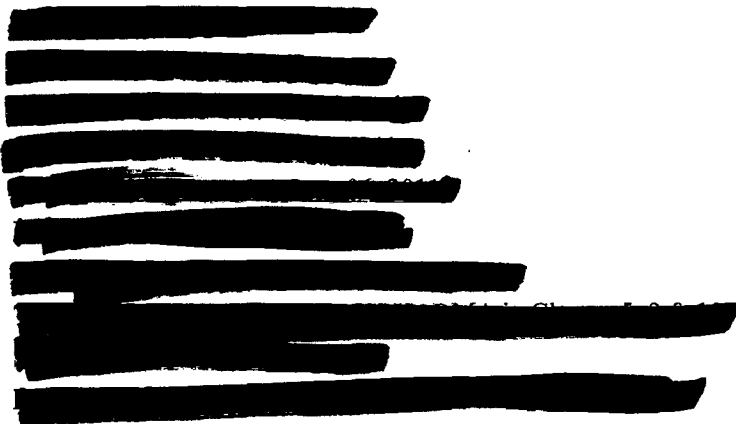
File No.: 73248
Country: Europe
Type: Patent
Application No.: 10745885.3
Filing Date: February 22, 2010
Registration No.:
Registration Date:
Title: ELECTRICAL SKIN REJUVENATION
Status: Pending
Future Activity: Instructions sent to associate to pay renewals by deadline of Feb. 22, 2012.
Deadline for filing voluntary amendment: April 20, 2012
Deadline for filing Hong Kong application: July 04, 2012.

File No.: 73249
Country: Canada
Type: Patent
Application No.: 2747767
Filing Date: February 22, 2010
Registration No.:
Registration Date:
Title: ELECTRICAL SKIN REJUVENATION
Status: Pending
Future Activity: ~~DEADLINE FOR PAYMENT OF RENEWAL FEES: FEB. 22, 2012~~
DEADLINE FOR REQUESTING EXAMINATION: FEB. 22, 2015

File No.: 73250
Country: Japan
Type: Patent
Application No.:
Filing Date: June 15, 2011
Registration No.:
Registration Date:
Title: ELECTRICAL SKIN REJUVENATION
Status: In Preparation
Future Activity: Examination request due date: February 22, 2013

File No.: 73251
Country: Israel
Type: Patent
Application No.: 213561
Filing Date: June 14, 2011
Registration No.:
Registration Date:
Title: ELECTRICAL SKIN REJUVENATION
Status: Pending
Future Activity: Await examination.
~~Await receipt of signed Power of Attorney from you.~~

[REDACTED]



Assigned Patents - Appendix 1.19 (Webb)

CONFIDENTIAL

Patent Family Report

File No. : TPH/001 **Assignee:** TransPharma Medical Ltd. **Priority :** Israel 31/Oct/2002

Title : TRANSDERMAL DELIVERY SYSTEM FOR ANTI-EMETIC MEDICATION

Abstract : The present invention provides a transdermal delivery system for hydrophilic anti-emetic agents and methods of using thereof, the system comprises an apparatus that generates hydrophilic micro-channels in skin of a subject and a patch comprising a hydrophilic layer comprising a hydrophilic polymer and a hydrophilic anti-emetic agent.

Country	Application No.	Filing Date	Patent No. \ Pub. No.	Issue Date \ Pub. Date	Status
Europe	03809829.9	31/Oct/2003	1556135	27/Jul/2005	examination
Israel	152573	31/Oct/2002	152573	19/Feb/2010	granted
PCT	PCT/IL2003/000902	30/Oct/2003	WO 2004/039427	13/May/2004	expired
USA	11/116065	31/Oct/2003	7415306	19/Aug/2008	granted

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CONFIDENTIAL

Patent Family Report

File No. : TPH/002 **Assignee:** TransPharma Medical Ltd. **Priority :** Israel 31/Oct/2002

Title : TRANSDERMAL DELIVERY SYSTEM FOR DRIED PARTICULATE OR LYOPHILIZED MEDICATIONS

Abstract : The present invention provides a system for transdermal delivery of dried or lyophilized pharmaceutical compositions and methods using thereof. The system comprises an apparatus for facilitating transdermal delivery of an agent that generates hydrophilic micro-channels, and a patch comprising a therapeutically active agent. The present invention is useful for transdermal delivery of hydrophilic agents, particularly of high molecular weight proteins.

Country	Application No.	Filing Date	Patent No. \ Pub. No.	Issue Date \ Pub. Date	Status
Europe	03769877.6	31/Oct/2003	1556134	27/Jul/2005	examination
Israel	152574	31/Oct/2002	152574	23/Dec/2009	granted
Japan	2004-547955	31/Oct/2003	4740593	13/May/2011	granted
PCT	PCT/IL2003/000903	30/Oct/2003	WO 2004/039428	13/May/2004	expired
USA	10/699582	31/Oct/2003	7335377	26/Feb/2008	granted
USA-1 CIP	11/327016	05/Jan/2006	7363075	22/Apr/2008	granted
USA-2 CIP	11/390844	27/Mar/2006	7383084	03/Jun/2008	granted
USA-3 CIP	11/582920	17/Oct/2006	7662404	16/Feb/2010	granted
USA-4 CIP	12/357283	21/Jan/2009	US2009/0137480	28/May/2009	allowance

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Patent Family Report

File No. : TPH/003 **Assignee:** TransPharma Medical Ltd. **Priority :** Israel 31/Oct/2002

Title : TRANSDERMAL DELIVERY SYSTEM FOR WATER INSOLUBLE DRUGS

Abstract : The present invention provides a system for transdermal delivery of water insoluble drugs and methods using thereof. The system comprises an apparatus that generates hydrophilic micro-channels in an area of skin of a subject and a medical patch comprising a water insoluble drug and a carrier molecule that enhances the solubility of the drug in aqueous solution. The system is particularly useful for transdermal delivery of steroids.

Country	Application No.	Filing Date	Patent No. \ Pub. No.	Issue Date \ Pub. Date	Status
Europe	03769876.8	31/Oct/2003	1156133	27/Jul/2005	examination
Israel	152575	31/Oct/2002	152575	30/Mar/2009	granted
Japan	2004-547953	31/Oct/2003	4831968	30/Sep/2011	granted
PCT	PCT/IL2003/000901	30/Oct/2003	WO 2004/039426	13/May/2004	expired
USA	11/116056	31/Oct/2003	7395111	01/Jul/2008	granted

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Patent Family Report

File No. : TPH/004 **Assignee:** TransPharma Medical Ltd. **Priority :** US Prov. 23/Jun/2003

Title : TRANSDERMAL DELIVERY SYSTEM FOR COSMETIC AGENTS

Abstract : The present invention relates to an intradermal or transdermal delivery system for cosmetic agents. In particular, the invention relates to an intradermal or transdermal delivery system for topical administration of cosmetic agents, particularly water-soluble, poorly water-soluble, or water-insoluble cosmetic agents, in conjunction with an apparatus that generates micro-channels in the skin of a subject. The intradermal or transdermal delivery system is useful in treating skin conditions such as cellulite, hyperpigmentation, skin aging, and acne.

Country	Application No.	Filing Date	Patent No. \ Pub. No.	Issue Date \ Pub. Date	Status
Canada	2529953	23/Jun/2004			filed
Europe	04744901.2	23/Jun/2004	1720605	15/Nov/2006	examination
Israel	172686	23/Jun/2004			examination
Japan	2006-516813	23/Jun/2004	2007-521258	02/Aug/2007	examination
PCT	PCT/IL2004/000561	23/Jun/2004	WO 2004/112689	29/Dec/2004	expired
US Prov.	60/480229	23/Jun/2003			expired
USA	10/561933	23/Jun/2004	8016810	13/Sep/2011	granted

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Patent Family Report

File No. : TPH/005 **Assignee:** TransPharma Medical Ltd. **Priority :** Israel 09/Dec/2003

Title : TRANSDERMAL SYSTEM FOR SUSTAINED DELIVERY OF POLYPEPTIDES

Abstract : The present invention relates to a transdermal system for sustained delivery of high molecular weight hydrophilic drugs, especially peptide-, polypeptide- or protein-drugs and to methods of use thereof. The system comprises an apparatus that generates micro-channels in the skin of a subject in conjunction with a transdermal patch comprising at least one drug reservoir layer comprising a polymeric matrix and a therapeutic or immunogenic peptide, polypeptide or protein. The system provides sustained delivery of therapeutic or immunogenic agents, thereby achieving sustained therapeutic blood concentrations of these agents.

Country	Application No.	Filing Date	Patent No. \ Pub. No.	Issue Date \ Pub. Date	Status
Canada	2547621	09/Dec/2004			examination
Europe	04801605.9	09/Dec/2004	1691823	23/Aug/2006	examination
Israel-1	175878	09/Dec/2004			examination
Japan	2006-543717	09/Dec/2004	2007-513939	31/May/2007	examination
PCT	PCT/IL2004/001119	09/Dec/2004	WO2005/056075	23/Jun/2005	expired
USA	10/580875	09/Dec/2004	US-2007-0287949	13/Dec/2007	examination

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Patent Family Report

File No. : TPH/006 **Assignee:** TransPharma Medical Ltd. **Priority :** Israel 25/Jan/2004

Title : TRANSDERMAL DELIVERY SYSTEM FOR POLYNUCLEOTIDES

Abstract : The present invention relates to a system for transdermal delivery of oligonucleotides or polynucleotides and to methods of use thereof. More specifically, the present invention relates to a system comprising an apparatus that generates micro-channels in the skin in conjunction with a pharmaceutical composition comprising an oligonucleotide or polynucleotide, wherein the oligonucleotide or polynucleotide can be delivered into the organism through the micro-channels. The system and methods of the present invention achieve expression of target proteins encoded by the polynucleotides, and hence are very useful in gene therapy.

Country	Application No.	Filing Date	Patent No. \ Pub. No.	Issue Date \ Pub. Date	Status
Canada	2554322	25/Jan/2005			filed
Europe	05703132.0	25/Jan/2005			examination
Israel-1	176971	25/Jan/2005			examination
PCT	PCT/IL2005/000089	25/Jan/2005	WO2005/069736	04/Aug/2005	expired
US Prov.	60/626479	10/Nov/2004			expired
USA	10/597431	25/Jan/2005	8041421	18/Oct/2011	granted

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Patent Family Report

File No. : TPH/007 **Assignee:** TransPharma Medical Ltd. **Priority :** US Prov. 06/Jul/2004

Title : DELIVERY SYSTEM FOR TRANSDERMAL IMMUNIZATION

Abstract : The present invention relates to a delivery system for transcutaneous immunization. More particularly, the invention relates to a delivery system for effective topical administration of antigenic agents in conjunction with an apparatus that generates micro-channels in the skin of a subject. The delivery system is useful for immunization against bacterial, viral, and fungal diseases and for treating cancer and allergies.

Country	Application No.	Filing Date	Patent No. \ Pub. No.	Issue Date \ Pub. Date	Status
Canada	2572870	05/Jul/2005			filed
Europe	05758964.0	05/Jul/2005	1768742	04/Apr/2007	examination
Israel	180509	05/Jul/2005			examination
Japan	2007-519978	05/Jul/2005	2008-505685	28/Feb/2008	examination
PCT	PCT/IL2005/000710	05/Jul/2005	WO2006/003659	12/Jan/2006	expired
US Prov.	60/585081	06/Jul/2004			expired
USA	11/571460	05/Jul/2005	US2007/0292445	20/Dec/2007	examination

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Patent Family Report

File No. : TPH/008 **Assignee:** TransPharma Medical Ltd. **Priority :** US Prov. 18/Nov/2004
Title : COMBINED MICRO-CHANNEL GENERATION AND IONTOPHORESIS FOR TRANSDERMAL DELIVERY OF PHARMACEUTICAL AGENTS

Abstract : The present invention relates to methods of transdermal delivery of pharmaceutical agents. In particular, the present invention relates to a method for transdermal delivery comprising generating micro-channels on the skin of a subject and delivering iontophoretically a pharmaceutical agent through the micro-channels. The method provides synergistic transdermal delivery of pharmaceutical agents.

Country	Application No.	Filing Date	Patent No. \ Pub. No.	Issue Date \ Pub. Date	Status
Canada	2587780	17/Nov/2005			filed
Israel	183112	17/Nov/2005			examination
Japan	2007-542504	17/Nov/2005	2008-520331	19/Jun/2008	examination
PCT	PCT/IL2005/001219	17/Nov/2005	WO2006/054299	26/May/2006	expired
US Prov.	60/628558	18/Nov/2004			expired
USA	11/749814	17/Nov/2005	7558625	07/Jul/2009	granted

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Patent Family Report

File No. : TPH/009 **Assignee:** TransPharma Medical Ltd. **Priority :** US Prov. 10/Sep/2008

Title : TRANSDERMAL DELIVERY OF OLIGOSACCHARIDES

Abstract : The present invention relates to a system for facilitating transdermal delivery of oligosaccharides comprising an apparatus that generates micro-channels in the skin of a subject and a skin patch comprising a pharmaceutical composition comprising as an active agent an oligosaccharide. Particularly, the composition comprises an oligosaccharide of 5-20 monosaccharide units, such as a pentasaccharide, which exerts anticoagulant activity. The system is capable of delivering the oligosaccharides into the blood circulation for treating thromboembolic diseases.

Country	Application No.	Filing Date	Patent No. \ Pub. No.	Issue Date \ Pub. Date	Status
Canada	2735983	10/Sep/2009			filed
Europe	09812781.4	10/Sep/2009	2323605	25/May/2011	filed
Israel	211547	10/Sep/2009			filed
PCT	PCT/IL2009/000889	10/Sep/2009	WO2010/029552	18/Mar/2010	expired
US Prov.	61/095637	10/Sep/2008			expired
USA	13/061466	10/Sep/2011	US2011/0150976	23/Jun/2011	filed

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Patent Family Report

File No. : TPH/011 **Assignee:** TransPharma Medical Ltd. **Priority :** US Prov. 02/Nov/2005

Title : HUMAN GROWTH HORMONE PATCH FORMULATIONS

Abstract : The invention encompasses a transdermal patch formulation comprising hGH, at least one sugar, one amino acid or polyol, and a buffer, wherein the buffer maintains the pH of the formulation in the range of about 5 to about 9 and the formulation does not contain both glycine and mannitol.

Country	Application No.	Filing Date	Patent No. \ Pub. No.	Issue Date \ Pub. Date	Status
Canada	2634181	02/Nov/2006			filed
Europe	06836849.7	02/Nov/2006	1948221	30/Jul/2008	filed
Israel	191197	02/Nov/2006			examination
Japan	2008-539045	02/Nov/2006	2009-514869	09/Apr/2009	filed
PCT	PCT/US2006/042894	02/Nov/2006	WO/2007/056105	18/May/2007	expired
USA	12/092239	02/Nov/2006	7947304	24/May/2011	granted

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Patent Family Report

File No. : TPH/012 **Assignee:** TransPharma Medical Ltd. **Priority :** US Prov. 21/Jul/2008
Title : TRANSDERMAL SYSTEM FOR EXTENDED DELIVERY OF INCRETINS AND INCRETIN MIMETIC PEPTIDES

Abstract : The present invention relates to a transdermal system for extended delivery of a metabolism regulatory peptide and to methods of use thereof. Particularly, the present invention relates to a transdermal system which comprises an apparatus that generates micro-channels in the skin of a subject in conjunction with a transdermal patch that comprises a reservoir layer comprising a pharmaceutical composition of a metabolism regulatory peptide formulated in the form of a solution, the drug reservoir layer further comprising a thickening agent and/or sponge-like matrix that retains the peptide composition. The system is useful for extended delivery of metabolism regulatory peptides, particularly for treating obesity.

Country	Application No.	Filing Date	Patent No. \ Pub. No.	Issue Date \ Pub. Date	Status
Canada	2731236	21/Jul/2009			filed
Europe	09800150.6	21/Jul/2009	2303247	06/Apr/2011	filed
Israel	210248	21/Jul/2009			filed
Japan	2011-519280	21/Jul/2009			filed
PCT	PCT/IL2009/0007	21/Jul/2009	WO2010/010555	28/Jan/2010	expired
US Prov.	61/082232	21/Jul/2008			expired
USA	13/054908	21/Jul/2009	US 2011-0129522	02/Jun/2011	filed

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