PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Emma Kim Luong-Van	05/22/2012
Isabel Rodriguez	05/22/2012
Hong Yee Low	05/22/2012
Audrey Yoke Yee Ho	05/22/2012
Sriram Natarajan	05/11/2012
Noha Elmouelhi	05/10/2012
Kevin Cooper	05/10/2012
Murty Vyakamam	05/10/2012
Chee Tiong Lim	05/15/2012

RECEIVING PARTY DATA

Name:	Advanced Technologies & Regenerative Medicine, LLC
Street Address:	325 Paramount Drive
City:	Raynham
State/Country:	MASSACHUSETTS
Postal Code:	02767

Name:	Agency for Science, Technology and Research
Street Address:	1 Fusionopolis Way
Internal Address:	#20-10
City:	Connexis
State/Country:	SINGAPORE
Postal Code:	138632

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13441539

CORRESPONDENCE DATA

501967699 REEL: 02

134415

PATENT REEL: 028438 FRAME: 0972 Fax Number: (703)848-2981 Phone: 7035843270

Email: kpredmore@rmsclaw.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Roberts Mlotkowski Safran & Cole, P.C.

Address Line 1: 7918 Jones Branch Drive

Address Line 2: Suite 500

Address Line 4: McLean, VIRGINIA 22102

ATTORNEY DOCKET NUMBER: 400055-20005

NAME OF SUBMITTER: Michael J. Mlotkowski

Total Attachments: 19

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PATENT REEL: 028438 FRAME: 0973

Serial No. 13/441,539 Filed April 6, 2012

WHEREAS, Emma Kim Luong-Van, Isabel Rodriguez, Hong Yee Low, Audrey Yoke Yee Ho, residing at 11-12, 32 Dover Rise, Singapore 138686; 3 Research Link, Singapore 117602; 29A West Coast Park, 01-16, Botannia, Singapore 127723 and; Block 656, 19-27 Choa Chu Kang, Crescent Singapore 680656 respectively (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

BLOOD CLOTTING SUBSTRATE AND MEDICAL DEVICE

for which they have on the 6th day of April, 2012 executed an application for Letters Patent of the United States; and

WHEREAS. ADVANCED TECHNOLOGIES δc REGENERATIVE MEDICINE, LLC, a corporation of the State of Delaware, (hereinafter called "Assignee") and AGENCY FOR SCIENCE TECHNOLOGY AND RESEARCH, having its principal place of business at 1 Fusionopolis Way, #20-10, Connexis 138632, Republic of Singapore, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

THEREFORE, BE ТТ KNOWN NOW, that for and in consideration of the sum of One Dollar and other valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignees their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions. divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignees, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignees that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignees, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignees or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignees or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignees the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

COUNTY OF

BE IT REMEMBERED, That on this 22 day of many possible day of appeared me, a Notary Public, personally appeared many many many many presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed. **Tary Public** **Notary Public** **Notar
My commission expires: 3 March 2013
STATE OF SINGWORK) ss.
BE IT REMEMBERED, That on this 22 day of
L Kuppanchetti N2012/0126 1 Apr 2012 - 31 Mar 2013
Notary Public SINGAPORE *
My commission expires: 3 March 2013
STATE OF SINGAPORE) ss.
COUNTY OF) ss.
May BE IT REMEMBERED, That on this 22 nd day of 2012, before me, a Notary Public, personally

PATENT REEL: 028438 FRAME: 0976 appeared *Hong Yee Low*, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.

Notary Public SINGAPORE

My commission expires: 31 March 2013

STATE OF SINGAPORE)	
)	SS
COUNTY OF)	

BE IT REMEMBERED, That on this 22 day of 2012, before me, a Notary Public, personally appeared Audrey Yoke Yee Ho, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.

Notary Public *SINGAPORE

My commission expires: 31 March 2013

Serial No. 13/441,539 Filed April 6, 2012

6 FINE ROAD NEW JERSEY 08844

Sriram Natarajan, Noha Elmouelhi, WHEREAS, Murty Vyakarnam, Chee Tiong Lim, residing at 3216 Winder Drive, Bridgewater, New Jersey 08807, USA; 53 Quail Run, HILLSBOROUGH Randolph, New Jersey 07869, USA; 2 Newell Road, Flemington, New Jersey 08822, USA; 2805 Johnson Circle, Bridgewater, New Jersey 08807, USA and; 297 Ocean Drive #04-21, Singapore 098535 respectively (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

BLOOD CLOTTING SUBSTRATE AND MEDICAL DEVICE

for which they have on the 6th day of April, 2012 executed an application for Letters Patent of the United States; and

WHEREAS, ADVANCED TECHNOLOGIES REGENERATIVE MEDICINE, LLC, corporation of the State а Delaware, of (hereinafter called "Assignee") and AGENCY FOR SCIENCE TECHNOLOGY AND RESEARCH, having its principal place of business at 1 Fusionopolis Way, #20-10, Connexis 138632, Republic of Singapore, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

THEREFORE, NOW. BEITKNOWN that for consideration of the sum of One Dollar and other valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignees their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignees, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignees that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignees, its successors and assigns;

And for consideration aforesaid, the further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignees or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignees or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignees the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this $\underline{N}^{\text{ff}}$ day of $\underline{\text{MAY}}$, 2012

Siran. N.	(L.S.)
Sriram Natarajan	(=:::,
	(L.S.)
Noha Elmouelhi	
Vovin Cooper	(L.S.)
Kevin Cooper	
Murty Vyakarnam	(L.S.)
Chao Mione Tim	(L.S.)
Chee Tiong Lim	

STATE OF New Twsey) ss.

COUNTY OF <u>Somerset</u>)
BE IT REMEMBERED, That on this day of
My commission expires: PATRICIA L TWADDLE Notary Public State of New Jersey My Commission Expires Jun 25, 2012
STATE OF)
COUNTY OF) ss.
BE IT REMEMBERED, That on this day of, 2012, before me, a Notary Public, personally appeared Noha Elmouelhi, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.
Notary Public
My commission expires:
STATE OF)
) ss.

BE IT REMEMBERED, That on this day of, 2012, before me, a Notary Public, personally appeared Kevin Cooper, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.
Notary Public
My commission expires:
STATE OF)) ss. COUNTY OF)
BE IT REMEMBERED, That on this day of, 2011, before me, a Notary Public, personally appeared Murty Vyakarnam, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.
Notary Public My commission expires:
STATE OF)) ss. COUNTY OF)

BE IT REMEMBERED, That on this day of ,
2011, before me, a Notary Public, personally appeared Chee Tiong
Lim, who I am satisfied is the person named in and who executed
the foregoing instrument in my presence, and I having first made
known to them the contents thereof, they did acknowledge that
they signed, sealed, and delivered the same as their voluntary
act and deed for the uses and purposes therein expressed.
Notary Public

My commission expires:

Serial No. 13/441,539 Filed April 6, 2012

WHEREAS, Sriram Natarajan, Noha Elmouelhi, Kevin Cooper, Murty Vyakarnam, Chee Tiong Lim, residing at 3216 Winder Drive, Bridgewater, New Jersey 08807, USA; 53 Quail Run, Randolph, New Jersey 07869, USA; 2 Newell Road, Flemington, New Jersey 08822, USA; 2805 Johnson Circle, Bridgewater, New Jersey 08807, USA and; 297 Ocean Drive #04-21, Singapore 098535 respectively (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

BLOOD CLOTTING SUBSTRATE AND MEDICAL DEVICE

for which they have on the $6^{\rm th}$ day of April, 2012 executed an application for Letters Patent of the United States; and

WHEREAS, ADVANCED TECHNOLOGIES REGENERATIVE MEDICINE, LLC, a corporation of the State of Delaware, (hereinafter called "Assignee") and AGENCY FOR SCIENCE TECHNOLOGY AND RESEARCH, having its principal place of business at 1 Fusionopolis Way, #20-10, Connexis 138632, Republic of Singapore, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

THEREFORE, BE IT NOW, KNOWN that for and consideration of the sum of One Dollar and other valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignees their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignees, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignees that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignees, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignees or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignees or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignees the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

IN TE their hands and	STIMONY WHEREOF, Assignors have seals this 10 day of, May_	hereunto set , 2012
	Sriram Natarajan	(L.S.)
	Noha Elmouelhi	(L.S.)
	Kevin Cooper	(L.S.)
	Murty Vyakarnam	(L.S.)
	Chee Tiong Lim	(L.S.)

STATE OF _____)

COUNTY OF)
BE IT REMEMBERED, That on this day of, 2012, before me, a Notary Public, personally appeared <i>Sriram Natarajan</i> , who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.
Notary Public
My commission expires:
COUNTY OF Somery f) ss.
COUNTY OF Somery f)
BE IT REMEMBERED, That on this 10 day of May 2012, before me, a Notary Public, personally appeared Noha Elmouelhi, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.
My commission expires: PATRICIA L TWADDLE Notary Public
State of New Jersey My Commission Expires Jun 25, 2012
STATE OF New Jevsus) ss.
COUNTY OF Someweet)

BE IT REMEMBERED, That on this day of May, 2012, before me, a Notary Public, personally appeared Kevin Cooper, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.
My commission expires:
PATRICIA L TWADDLE Notary Public State of New Jersey My Commission Expires Jun 25, 2012
STATE OF)
COUNTY OF) ss.
BE IT REMEMBERED, That on thisday of, 2011, before me, a Notary Public, personally appeared Murty Vyakarnam, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.
Notary Public
My commission expires:
STATE OF)) ss.
COUNTY OF)

BE IT REMEMBERED, That on this day of,
2011, before me, a Notary Public, personally appeared Chee Tiong
Lim, who I am satisfied is the person named in and who executed
the foregoing instrument in my presence, and I having first made
known to them the contents thereof, they did acknowledge that
they signed, sealed, and delivered the same as their voluntary
act and deed for the uses and purposes therein expressed.
No bosses Dulb 1 de
Notary Public

My commission expires:

Serial No. 13/441,539 Filed April 6, 2012

WHEREAS, Sriram Natarajan, Noha Elmouelhi, Kevin Cooper, Murty Vyakarnam, Chee Tiong Lim, residing at 3216 Winder Drive, Bridgewater, New Jersey 08807, USA; 53 Quail Run, Randolph, New Jersey 07869, USA; 2 Newell Road, Flemington, New Jersey 08822, USA; 2805 Johnson Circle, Bridgewater, New Jersey 08807, USA and; 297 Ocean Drive #04-21, Singapore 098535 respectively (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

BLOOD CLOTTING SUBSTRATE AND MEDICAL DEVICE

for which they have on the $6^{\rm th}$ day of April, 2012 executed an application for Letters Patent of the United States; and

WHEREAS, ADVANCED TECHNOLOGIES & REGENERATIVE MEDICINE, LLC, a corporation of the State of Delaware, (hereinafter called "Assignee") and AGENCY FOR SCIENCE TECHNOLOGY AND RESEARCH, having its principal place of business at 1 Fusionopolis Way, #20-10, Connexis 138632, Republic of Singapore, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

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And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

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IN TESTIMONY WHEREOF, Assignors have hereunto set their hands and seals this _____ day of _____, 2012

	(L.S.)
Sriram Natarajan	<u> </u>
	(L.S.)
Noha Elmouelhi	
	(L.S.)
Kevin Cooper	
	(L.S.)
Murty Vyakarnam	
	(L.S.)
Chee Tiong Lim	

STATE	OF)	
)	55

COUNTY OF)
BE IT REMEMBERED, That on this day of 2012, before me, a Notary Public, personally appeared <i>Sriran Natarajan</i> , who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.
Notary Public
My commission expires:
STATE OF)
BE IT REMEMBERED, That on this
Notary Public My commission expires:
STATE OF)
COUNTY OF)

2012, before me, a Notary E Cooper, who I am satisfied executed the foregoing instrufirst made known to them acknowledge that they signed,	Public, personally appeared Kevin is the person named in and who ment in my presence, and I having the contents thereof, they did sealed, and delivered the same as for the uses and purposes therein
My commission expires:	Notary Public
STATE OF)	•
BE IT REMEMBERED, The 2011, before me, a Notary Power with Vyakarnam, who I am satisfied executed the foregoing instruments of them acknowledge that they signed,	nat on this day of, Public, personally appeared <i>Murty</i> d is the person named in and who ment in my presence, and I having the contents thereof, they did sealed, and delivered the same as for the uses and purposes thereir
My commission expires:	Notary Public
STATE OF)) ss COUNTY OF)	•

BE IT REMEMBERED, That on this \(\frac{15}{2011} \) day of \(\frac{\textit{May}}{\text{Chee Tiong}} \), 2011, before me, a Notary Public, personally appeared \(\text{Chee Tiong} \) \(\text{Lim}, \) who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to them the contents thereof, they did acknowledge that they signed, sealed, and delivered the same as their voluntary act and deed for the uses and purposes therein expressed.

Notary Public

My commission expires: 30 SEP 2012

