

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5527001

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID W. MCGILL	07/30/2010
JAMES D. DALE	11/05/2010
SIMON C. HELMORE	09/10/2010
RICHARD J. LANIGAN	11/05/2010
JASON A. DEMERS	11/05/2010
DEAN KAMEN	10/22/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DEKA PRODUCTS LIMITED PARTNERSHIP
<b>Street Address:</b>	340 COMMERCIAL STREET
<b>City:</b>	MANCHESTER
<b>State/Country:</b>	NEW HAMPSHIRE
<b>Postal Code:</b>	03101
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16391104
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(603)624-0573
<i>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.</i>	
<b>Phone:</b>	6036695139
<b>Email:</b>	pfairweather@dekaresearch.com
<b>Correspondent Name:</b>	DEKA RESEARCH & DEVELOPMENT
<b>Address Line 1:</b>	340 COMMERCIAL STREET
<b>Address Line 4:</b>	MANCHESTER, NEW HAMPSHIRE 03101
<b>ATTORNEY DOCKET NUMBER:</b>	Z78
<b>NAME OF SUBMITTER:</b>	MARC J. GORAYEB
<b>SIGNATURE:</b>	/Marc J Gorayeb/
<b>DATE SIGNED:</b>	05/16/2019
<b>Total Attachments: 7</b>	

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Attorney Docket No.: G91  
Serial Number: 12/864,378

ASSIGNMENT

ASSIGNORS: David W. McGill, James D. Dale, Simon C. Helmore, Richard J. Lanigan,  
Jason A. Demers, Dean Kamen

ASSIGNEE: **DEKA Products Limited Partnership**  
340 Commercial Street  
Manchester, NH 03101-1108

STATE OF INCORPORATION OF ASSIGNEE: New Hampshire

TITLE: PUMP CASSETTE AND METHODS FOR USE IN MEDICAL TREATMENT  
SYSTEM USING A PLURALITY OF FLUID LINES

ATTORNEY DOCKET: G91

APPLICATION NO.: 12/864,378

FILED: July 23, 2010

Assignor is a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and, all countries and to vest title thereto in Assignee. Each Assignor further

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agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: 7/30/2010

  
David W. McGill

STATE OF NEW HAMPSHIRE )  
 ) ss.  
COUNTY OF HILLSBOROUGH )

On this 30<sup>th</sup> day of July, 2010, before me, the undersigned notary public, personally appeared David W. McGill, proved to me through satisfactory evidence of identification, and known to me, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.



G. M. A.  
Notary Public

Attorney Docket No.: G91  
Serial Number: 12/864,378

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

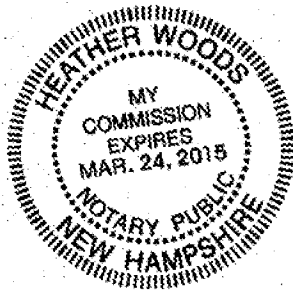
Date: 11/5/10

James D. Dale  
James D. Dale

STATE OF NEW HAMPSHIRE )  
 ) ss.  
COUNTY OF HILLSBOROUGH )

On this 9<sup>th</sup> day of November, 2010, before me, the undersigned notary public, personally appeared James D. Dale, proved to me through satisfactory evidence of identification, and known to me, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Heather Woods  
Notary Public



Attorney Docket No.: G91  
Serial Number: 12/864,378

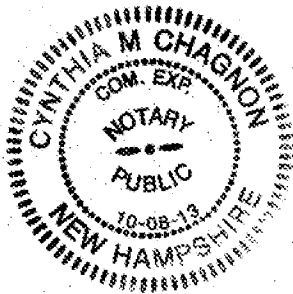
IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: 9-10-2010

  
Simon C. Helmore

STATE OF NEW HAMPSHIRE )  
 ) ss.  
COUNTY OF HILLSBOROUGH )

On this 10<sup>th</sup> day of September, 2010, before me, the undersigned notary public, personally appeared Simon C. Helmore, proved to me through satisfactory evidence of identification, and known to me, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.



Guthrie Chap  
Notary Public

Attorney Docket No.: G91  
Serial Number: 12/864,378

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: 11/5/2010

*Richard J. Langan*  
Richard J. Langan

STATE OF NEW HAMPSHIRE

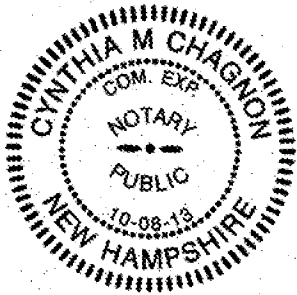
✓

22.

COUNTY OF HILLSBOROUGH

(

On this 5th day of November, 2010, before me, the undersigned notary public, personally appeared Richard J. Lanigan, proved to me through satisfactory evidence of identification, and known to me, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.



Cyrus M. Cho  
Notary Public

Notary Public

# PATENT

REEL - 049201 FRAME - 0492

Attorney Docket No.: G91  
Serial Number: 12/864,378

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: 11-5-10

Jason A. Demers

STATE OF NEW HAMPSHIRE

)

) ss.

COUNTY OF HILLSBOROUGH

3

On this 5<sup>th</sup> day of November, 2010, before me, the undersigned notary public, personally appeared Jason A. Demers, proved to me through satisfactory evidence of identification, and known to me, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Heather Woods

Notary Public



## PATENT

REFL - 049201 FRAME - 0493



Attorney Docket No.: G91  
Serial Number: 12/864,378

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: 10-22-2010

Dean Kamen

STATE OF NEW HAMPSHIRE

—

) ss.

COUNTY OF HILLSBOROUGH

1

On this 22<sup>nd</sup> day of October, 2010, before me, the undersigned notary public, personally appeared Dean Kamen, proved to me through satisfactory evidence of identification, and known to me, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.



~~Notary Public~~

**RECORDED: 05/16/2019**

# PATENT

REF ID: A9201 FRAME: 0404