505246779 12/20/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5293558

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KLAUS GEBAUER	03/26/2018
MANOJ KUMAR RAMAKRISHNA	03/29/2018
DANIEL SALOMONSSON	10/26/2018
PER LOFVING	03/26/2018

RECEIVING PARTY DATA

Name:	GE HEALTHCARE BIOPROCESS R&D AB
Street Address:	BJORKGATAN 30
City:	UPPSALA
State/Country:	SWEDEN
Postal Code:	75184

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15954545

CORRESPONDENCE DATA

Fax Number: (240)912-7432

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

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 240-801-9717

docketing@woodiplaw.com, dcrooks@woodiplaw.com, Email:

USPTO@dockettrak.com

Correspondent Name: WOOD IP LLC

Address Line 1: 555 QUINCE ORCHARD ROAD

Address Line 2: **SUITE 280**

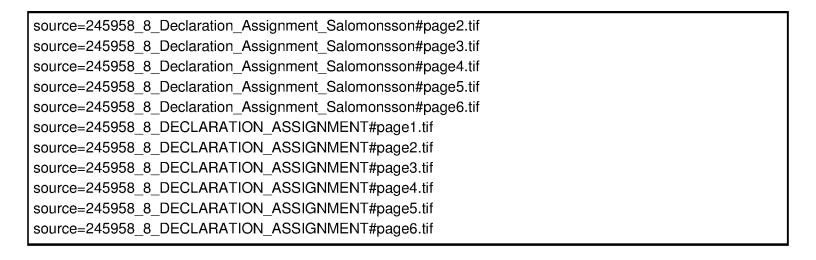
Address Line 4: GAITHERSBURG, MARYLAND 20878

ATTORNEY DOCKET NUMBER:	245958-8
NAME OF SUBMITTER:	DEIDRE MCAULEY
SIGNATURE:	/Deidre McAuley/
DATE SIGNED:	12/20/2018

Total Attachments: 12

source=245958 8 Declaration Assignment Salomonsson#page1.tif

PATENT REEL: 047828 FRAME: 0333



PATENT REEL: 047828 FRAME: 0334

COMBINED DECLARATION AND GLOBAL ASSIGNMENT

FOR UTILITY OR DESIGN PATENT APPLICATION

As the below named inventor(s), I/we hereby declare that:

This declaration and assignment are directed to:

PARALLEL ASSEMBLY OF CHROMATOGRAPHY COLUMN MODULES

	the specification of which is attached hereto OR
\boxtimes	United States application or PCT international application number 15/954,545 filed on April 16, 2018, as amended on (if applicable).
	(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known.)

The above-identified application was made or authorized to be made by us.

We believe that we are original joint inventors of a claimed invention in the application.

We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC § 1001 by fine or imprisonment of not more than five (5) years, or both.

We have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR § 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the filing date of the continuation-in-part application.

In accordance with our obligation(s) under an Employee Innovation and Proprietary Information Agreement or (as applicable) arising out of other agreements (such as, but not limited to, the Services Agreement between General Electric Company, a New York corporation, and our employers), and/or for other good and valuable consideration of which we acknowledge receipt, I/we,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
Klaus		Gebauer	of	Uppsala		Sweden
Manoj	Kumar	Ramakrishna	of	Bangalore		India
Daniel		Salomonsson	of	Uppsala		Sweden
Per		Lofving	of	Uppsala		Sweden

v9.18.12

Page 1 of 6

hereby sell and assign to:

Name of Company: GE HEALTHCARE BIOPROCESS R&D AB
Entity Type (optional):
Address: Bjorkgatan 30, Uppsala, Sweden 751 84

herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made or conceived by us described in the application(s) listed above and in the following table:

Country of Filing	Type of Filing	Application Number	Filing Date	Title

(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, continuations-in-part, reexaminations, renewals, and reissues thereof, and all rights of priority resulting from the filing of the application(s), and authorize and request any official whose duty it is to issue patents, to issue any patent on the inventions and improvements resulting therefrom to the Company, or its successors or assigns, and agree that on request and without further consideration, we will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and generally do everything possible to aid the Company, its successors. assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

Remuneration claims of the inventor(s)/assignor(s) potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this assignment.

INVENTOR 1	
Signature: Klaus Gebauer	Date:
Witnessed by:Signature	Date:
Printed Name of Witness	
Witnessed by:Signature	Date:
Printed Name of Witness SECTION BELOW IS FOR USE ONL	Y IF SIGNING IN PRESENCE OF A NOTARY
	Date:
Klaus Gebauer	
STATE OF ss.	
COUNTY OF	
	_, before me personally came the above-named as the individual who executed the foregoing assignment ecuted the same of his/her own free will for the purposes
Seal	
	(Notary Public)

Page 3 of 6

INVENTOR 2		
Signature: Manoj Kumar Ramakrishna	Date:	
Manoj Kumar Ramakrishna		
Witnessed by:Signature	Date:	
Printed Name of Witness		
Witnessed by:Signature	Date:	
Signature		
Printed Name of Witness	_	
SECTION BELOW IS FOR USE ONLY IF S	SIGNING IN PRESENCE OF A NOTARY	
	Deter	
Manoj Kumar Ramakrishna	Date:	
STATE OF		
COUNTY OF		
This day of,,,,,,,,,,,,,,,,,	before me personally came the above-ry known as the individual who executed the foree/she executed the same of his/her own free	egoing
Seal		
	(Notary Public)	

INVENTOR 3	
Signature Daniel Salomonsson	
Witnessed by: Prodo Horn Signature Anders Stenmin	Date: <u>2019/07 6</u>
Anders Stenman Printed Name of Witness	
Witnessed by: Signature	Date: <u>20(8/02Q</u>
Sevada Nazlooulan Printed Name of Witness	·
SECTION BELOW IS FOR USE ONLY IF S	Date:
STATE OF ss.	
This day of <u>Daniel Salomonsson</u> , to me personally kno assignment, who acknowledged to me that he the purposes therein set forth.	before me personally came the above-named own as the individual who executed the foregoing s/she executed the same of his/her own free will for
Seal	
	(Notary Public)

Page 5 of 6

INVENTOR 4	
Signature:Per Lofving	Date:
Witnessed by:Signature	Date:
Printed Name of Witness	
Witnessed by:Signature	Date:
Printed Name of Witness SECTION BELOW IS FOR USE ONLY	' IF SIGNING IN PRESENCE OF A NOTARY
Per Lofving	_ Date:
STATE OF ss.	
	before me personally came the above-named the individual who executed the foregoing assignment ecuted the same of his/her own free will for the purposes
Seal	
	 (Notary Public)

Page 6 of 6

COMBINED DECLARATION AND GLOBAL ASSIGNMENT

FOR UTILITY OR DESIGN PATENT APPLICATION

As the below named inventor(s), I/we hereby declare that:

This declaration and assignment are directed to:

PARALLEL ASSEMBLY OF CHROMATOGRAPHY COLUMN MODULES

the specification of which is attached hereto OR			
United States application or PCT international application number			
filed on	, as amended on	(if applicable)	
(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application when known.)			

The above-identified application was made or authorized to be made by us.

We believe that we are original joint inventors of a claimed invention in the application.

We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC § 1001 by fine or imprisonment of not more than five (5) years, or both.

We have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR § 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the filing date of the continuation-in-part application.

In accordance with our obligation(s) under an Employee Innovation and Proprietary Information Agreement or (as applicable) arising out of other agreements (such as, but not limited to, the Services Agreement between General Electric Company, a New York corporation, and our employers), and/or for other good and valuable consideration of which we acknowledge receipt, I/we,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
Klaus		Gebauer	of	Uppsala		Sweden
Manoj	Kumar	Ramakrishna	of	Bangalore		India
Daniel		Salomonsson	of	Uppsala	7 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	Sweden
Per		Lofving	of	Uppsala		Sweden

v9.18.12

hereby sell and assign to:

Name of Company: GE HEALTHCARE BIOPROCESS R&D AB
Entity Type (optional):
Address: Bjorkgatan 30, Uppsala, Sweden 751 84

herein referred to as "Company", its successors and assigns our entire respective rights, titles and interests in and to the invention and improvements made or conceived by us described in the application(s) listed above and in the following table:

Country of Filing	Type of Filing	Application Number	Filing Date	Title
SE	Priority	1050565-9	03JUN2010	A PARALLEL ASSEMBLY OF CHROMATOGRAPHY COLUMN MODULES

(We hereby authorize and request the Company or its delegated attorneys or agents to insert above the application number and filing date of the application(s) when known.)

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, continuations-in-part, reexaminations, renewals, and reissues thereof, and all rights of priority resulting from the filing of the application(s), and authorize and request any official whose duty it is to issue patents, to issue any patent on the inventions and improvements resulting therefrom to the Company, or its successors or assigns, and agree that on request and without further consideration, we will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and generally do everything possible to aid the Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

Remuneration claims of the inventor(s)/assignor(s) potentially arising from German Law on Employee Inventions, or any other respective country law, remain unaffected by this assignment.

Page 2 of 6

GE Docket No. 245958-8	
INVENTOR 1	
7	
	- 71. 1 71. 70.
Signature: Klaus Gebauer	
	<i>*</i>
Witnessed by: Signature	Date: <u>26 Mar 2018</u>
Printed Name of Witness	
\$.	
Witnessed by:	Date: 26 March 2018
Signature	Date:
MATS NILSSON	
Printed Name of Witness	_
SECTION BELOW IS FOR USE ONLY IF SI	IGNING IN PRESENCE OF A NOTARY
*	Date:
Klaus Gebauer	
STATE OF	
SS.	
COUNTY OF	
CC1. 1.	
Klaus Gebauer to me personally known as the	before me personally came the above-named individual who executed the foregoing assignment,
who acknowledged to me that he/she executed	the same of his/her own free will for the purposes
therein set forth.	
Seal	
	751 24 22 5 1 6 3
	(Notary Public)

Page 3 of 6

INVENTOR 2	
Signature: Manoj Kumar Ramakrishi	Date: 29 th March 2018
Witnessed by: Signature RAVINDRA PRAGHU (Date: <u>29- HAR- 2018</u>
Printed Name of Witness	
Witnessed by: Whodhe Signature	Date: 29- WAL 2018
NIVEDITA PHADIKE	
Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY	IF SIGNING IN PRESENCE OF A NOTARY
	Date:
Manoj Kumar Ramakrishna	
STATE OF	•
COUNTY OF	
Manoj Kumar Ramakrishna, to me perso	before me personally came the above-named nally known as the individual who executed the foregoing at he/she executed the same of his/her own free will for
Seal	
	(Notary Public)

GE Docket No. <u>245958-8</u>	
INVENTOR 3	•
Signature:	Date:
Witnessed by:Signature	Date:
Printed Name of Witness	······································
Witnessed by:Signature	Date:
Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF	SIGNING IN PRESENCE OF A NOTARY
Daniel Salomonsson	Date:
STATE OF SS.	
Daniel Salomonsson, to me personally kn	before me personally came the above-named nown as the individual who executed the foregoing ne/she executed the same of his/her own free will for
Seal	
	(Notary Public)

Page 5 of 6

GE Docket No. <u>245958-8</u>				
INVENTOR 4 Signature: Per Lofving	Date: <u>26 Mer 20</u> 18			
Witnessed by: Signature	Date: <u>26 Mar 2018</u>			
Printed Name of Witness Witnessed by:	- Date: <u>16 Howh</u> 2018			
Signature MATS MASS N Printed Name of Witness	Date: Market J. Copy (A. Market)			
SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY				
Per Lofving	Date:			
STATE OF ss.				
This day of here in the control of the	before me personally came the above-named dividual who executed the foregoing assignment, the same of his/her own free will for the purposes			
Seal				
<u> </u>	(Notary Public)			

Page 6 of 6