11/12/2018 505185972

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SATOSHI ATSUCHI	09/27/2018
COREY BOURASSA	10/01/2018
JAMES R. NOEL	10/23/2018
ERICH ALOIS KRAMMER	09/27/2018
BYRON ANDREW PRITCHARD	11/08/2018
MEHMET DEDE	10/25/2018

RECEIVING PARTY DATA

Name:	GENERAL ELECTRIC COMPANY
Street Address:	1 RIVER ROAD
City:	SCHENECTADY
State/Country:	NEW YORK
Postal Code:	12345

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16186834	

CORRESPONDENCE DATA

Fax Number: (518)387-7762

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GENERAL ELECTRIC COMPANY GPO/GLOBAL RESE **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	326564_1 (551-349US)
NAME OF SUBMITTER:	CHRISTOPHER R. CARROLL
SIGNATURE:	/Christopher R. Carroll/
DATE SIGNED:	11/12/2018

Total Attachments: 8 source=326564-1US_DeclarationAssignment_12NOV2018-#page1.tif source=326564-1US_DeclarationAssignment_12NOV2018-#page2.tif source=326564-1US_DeclarationAssignment_12NOV2018-#page3.tif source=326564-1US_DeclarationAssignment_12NOV2018-#page4.tif source=326564-1US_DeclarationAssignment_12NOV2018-#page5.tif source=326564-1US_DeclarationAssignment_12NOV2018-#page6.tif source=326564-1US_DeclarationAssignment_12NOV2018-#page7.tif source=326564-1US_DeclarationAssignment_12NOV2018-#page8.tif

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:

PARTICLE SEPARATORS FOR TURBOMACHINES AND METHOD OF OPERATING THE SAME

\boxtimes	the specification of which is attached hereto OR
	United States application or PCT international application numberfiled on, as amended on [date] (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
Satoshi		Atsuchi	of	Niskayuna	NY	US
Corey		Bourassa	of	Mechanicville	NY	US
James	R.	Noel	of	Lynn	MA	US
Erich	Alois	Krammer	of	West Chester	ОН	US

Byron	Andrew	Pritchard	of	Cincinnati	ОН	US
Mehmet		Dede	of	Cincinnati	ОН	US

hereby sell and assign to:

Name of Company: General Electric Company
Entity Type (optional): New York corporation
Address: 1 River Road, Schenectady, New York 12345 USA

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:

Filing Filing Number Filing Date Title	
US Utility 14/940,251 13-NOV-2015 PARTICLE SEPARA FOR TURBOMACH AND METHOD OF OPERATING THE S	INES

(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.

INVENTORI	
Signature: SATOSHFATSUCHI	Date <u>Sqr. 27, 2018</u>
Winnessed by: <u>Sand Morrador</u> Signature	Date: <u> </u>
Samh Monahan Printed Name of Witness	
Witnessed by: <u>V. J.L.</u> Signature	Date: <u>9/27/18</u>
STEPHAN PRIEBE Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY I	F SIGNING IN PRESENCE OF A NOTARY
	Date:
SATOSHI ATSUCHI	
STATE OF	
COUNTY OF	
Thisday of SATOSHI ATSUCHI to me personally known assignment, who acknowledged to me that he purposes therein set forth.	before me personally came the above-named wn as the individual who executed the foregoing executed the same of his own free will for the
Seal	(Notary Public)

INVENTOR 2					
Signature: COREY	BOURASSA	Date:	10/1/0	6/8	natura na na
Witnessed by:	Signature	Date:	10/1/2	1018	••••
Michelas R Printed Name of Witi	athay ness				
Witnessed by:	Wan Kush Signature	Date:	10/1/2	018	
Brian Rush	~		*		
Printed Name of Wita	ness	·······			
SECTION BELO	W IS FOR USE ONI	X IF SIGNING IN	PRESENCE	OFANO	IAKI
		Date:			
COREY BOURASS	A				
STATE OF			were and the second sec		Q.
COUNTY OF	SS.				
	A to me personally lands in the control of the cont	known as the individual	dual who exe	ecuted the	oregoing
Seal					
		(Nota	ry Public)		

Date: /0/23/18
Date: $10/23/18$
Date: 10/23/18
NING IN PRESENCE OF A NOTARY
NING IN PRESENCE OF A NOTARY Date:

INVENTOR 4		
<i>2.</i> 11		
Signature: <u>Lei Uls Kram</u>	– Date: <u> </u>	Leg 2018
ERICH ALOIS KKAMMER		
Witnessed by: <u>Maka Kukika</u>	Date: 27	SEPT 2018
Signature	***************************************	
MICHAE TODO STOWE		
Printed Name of Witness		
Witnessed by: Siele Al Der	Date: 273	Sept 2018
RICHARED A. DEPUY		
Printed Name of Witness		
SECTION BELOW IS FOR USE ONLY IF ERICH ALOIS KRAMMER	Date:	J
STATE OF		
COUNTY OF		
Thisday of, ERICH ALOIS KRAMMER to me personal foregoing assignment, who acknowledged to me to the purposes therein set forth.	ly known as the indiv	idual who executed the
Seal		
	(Notary Public	•}

INVENTORS AND PAR	
Signature: BYRON ANDREW PRITCHARD	Date: <u>Nov 9 7-18</u>
Witnessed by: Blubead 16 Guff L. Signature	Date: <u>Nov 8, 20/8</u>
BHUPENDR L. GUPTA Printed Name of Witness	
Witnessed by: Mark Market Signature	Date: <u>Nov 8 2018</u>
Marca H de Grant Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF SIGN	ING IN PRESENCE OF A NOTARY
	Date:
BYRON ANDREW PRITCHARD	
STATE OF	
COUNTY OF	
This day of, before BYRON ANDREW PRITCHARD to me personally foregoing assignment, who acknowledged to me that he the purposes therein set forth.	known as the individual who executed the
Seal	At . B.W.
	(Notary Public)

INVENTOR 6

Signature: ZALANAL DELE MEHMET, DEDE	Date:
Witnessed by: Signature	Date: 19/25/18
Printed Name of Witness	
Witnessed by: Signature Jan Dubovec	Date: 10/25/18
SECTION BELOW IS FOR USE ONLY IF SI	Date:
STATE OF ss.	
This day of,,,	the individual who executed the foreoning
Seal	
***************************************	(Notary Public)

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PATENT REEL: 047475 FRAME: 0045

RECORDED: 11/12/2018