505457764 05/02/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5504567

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Johannes DEMHARTER	06/11/2018
Souvik DASGUPTA	05/31/2018
Michael KREISSL	06/07/2018
Amit K GUPTA	06/12/2018
VSK Murthy BALIJEPALLI	05/31/2018

#### **RECEIVING PARTY DATA**

Name:	ROLLS-ROYCE plc			
Street Address:	62 Buckingham Gate			
City:	London			
State/Country:	Great Britain			
Postal Code:	SW1E 6AT			
Name:	MTU Friedrichshafen GmbH			
Street Address:	Maybachplatz 1			
City:	Friedrichshafen			
State/Country:	Germany			
Postal Code:	88045			
Name:	MTU Onsite Energy GmbH			
Street Address:	Dasingerstrasse 11			
City:	Augsburg			
State/Country:	Germany			
Postal Code:	86165			

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16401638

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)836-2787

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:** 703-836-6400

Email: email@oliff.com

Correspondent Name: JAMES A. OLIFF

Address Line 1: OLIFF PLC

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER:	186987
NAME OF SUBMITTER:	KEIVONA D. GRAY
SIGNATURE:	/KeiVona D. Gray/
DATE SIGNED:	05/02/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 10** 

source=6580825\_1#page1.tif

source=6580825\_1#page2.tif

source=6580825\_1#page3.tif

source=6580825 1#page4.tif

source=6580825\_1#page5.tif

source=6580825\_1#page6.tif

source=6580825\_1#page7.tif

source=6580825\_1#page8.tif

source=6580825\_1#page9.tif

source=6580825\_1#page10.tif

# ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

#### ASSIGNMENT

	Insert Legal Name(s) of Inventor(s)		DEME	IARTER, Johannes	
			DASG	UPTA, Souvik	
(1-8)			KREIS	SL, Michael	
			GUPT.	A, Amit K	
			BALIJ	EPALLI, VSK Murthy	
				nd other good and valuable consideration paid to each of the undersigned, the receipt an ch undersigned agrees to assign, and hereby does assign, transfer and set over to	ıd
			1)	ROLLS-ROYCE plc	
(9)	Insert Name of Assi	gnee	2)	MTU Friedrichshafen GmbH	
			3)	MTU Onsite Energy GmbH	
			1)	62 Buckingham Gate, London, SW1E 6AT, Great Britain	
(10)	Insert Address of As	ssignee	2)	Maybachplatz 1, Friedrichshafen 88045, Germany	
			3)	Dasingerstrasse 11, Augsburg 86165, Germany	
(1 H)	for the United States of Ameri provisional, non-provisional, o	ca as def livisional d reexam	ined in 35 I, continuat ination cer	thee's heirs, successors, assigns and legal representatives, the entire right, title and intere U.S.C. § 100, in the invention, and in all applications for patent including any and all ion, international, confirmation, substitute and reissue application(s), and all Letters tificates that may be granted on the invention known as	31
(11)	such as Title, Case	(11)		Determination for a Generator	
	Number, or Foreign		6719 P	DG	
	Application Number	(Atto	rney Doo	eket No	)
(12)	Alternative	(12)	U.S. A <sub>1</sub>	oplication Number 16/401,638	
	Identification for				
	filed applications	filed	************	May 2, 2019	
	for the invention and as the Assignee may compared as the Assignee may concerning every way possible in the Assignee as the Assignee as the Assignee as the Assignee as the Assignee may be	also to leem no grees to g any a obtaini grees to	execute secessary. execute pplication ing evide execute	all papers necessary in connection with any application and/or patent separate assignments in connection with such applications and patent all papers necessary in connection with any interference which may on or patents for the invention and to cooperate with the Assignee in once and going forward with such interference. all papers and documents and perform any act which may be or provisions of the International Convention for Protection of ents.	

Patent and Trademark Office for recordation of this document.

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

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

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

Invent	or				
(Print	name}	DEMHARTER, Jo	hannes		
Date	2018-	06-11	Inventor Signature	724	(SEAL)
Consi				¥ ) a Notary Public if within the U.S.A. (b) a d before at least two witnesses who also s	
Date	2018 -	)6~ 1X	Witness	2 Jamesty	
Duta	DM8-1	06-11	Witness	7.8041	

# ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

### ASSIGNMENT

nsert Name of Assi  nsert Address of A  minister designated as the the United States of Americanal, non-provisional, contrasting as the control states of Americanal, extensions, reissues and assert Identification	fone dollar oy acknowl guee ssignee Assignee) ica as dofin divisional, ad reexamin	DASGR KREIS: GUPT/ BALIM (\$1,90) or edged, car  1) 2) 3) 1) 2) 3) and Assigned in 351 continuation	ARTER, Johannes JPTA, Souvik SL, Michael A, Amit K BPALLI, VSK Murthy ad other good and valuable consideration paid to each of the undersigned, the receipt at the undersigned agrees to assign, and hereby does assign, transfer and set over to  ROLLS-ROYCE pic MTU Priedrichshafen GmbH MTU Onsite Energy GmbH 62 Buckingham Gate, London, SW1E 6AT, Great Britain Maybachplatz 1, Friedrichshafen \$8045, Germany Dasingerstrasse 11, Augsburg 86165, Germany Ince's heirs, successors, assigns and legal representatives, the entire right, title and intention, international, confirmation, and in all applications for patent including any and all on, international, confirmation, substitute and reissue application(s), and all Letters ifficates that may be granted on the invention known as	
nventor(s)  onsideration of the som of iciency of which are here!  nsert Name of Assi  nsert Address of A  reinsiter designated as the the United States of Americans, non-provisional, out-officials as the sert Identification	fone dollar oy acknowl guee ssignee Assignee) ica as dofin divisional, ad reexamin	KREIS: GUPT/BALUN (\$1.90) at edged, case 1) 2) 3) 1) 2) 3) sand Assignment in State outlines in State	SL, Michael  A, Amit K  EPALLI, VSK Murthy  ad other good and valuable consideration paid to each of the undersigned, the receipt at the undersigned agrees to assign, and hereby does assign, transfer and set over to  ROLLS-ROYCE pic  MTU Friedrichshafen GmbH  MTU Onsite Energy GmbH  62 Buckingham Gate, London, SW1E 6AT, Great Britain  Maybachplatz 1, Friedrichshafen \$8045, Germany  Dasingerstrasse 11, Augsburg \$6165, Germany  iner's being, subcessors, assigns and legal representatives, the entire right, title and intent  15.C. \$100, in the invention, and in all applications for patent including any and all  on, international, confirmation, substitute and resistue application(s), and all Letters	
nventor(s)  onsideration of the som of iciency of which are here!  nsert Name of Assi  nsert Address of A  reinsiter designated as the the United States of Americans, non-provisional, out-officials as the sert Identification	fone dollar oy acknowl guee ssignee Assignee) ica as dofin divisional, ad reexamin	GUPT/BALUI (\$1.00) as edged, case 1) 2) 3) 1) 2) 3) send Assignment in State of the	A, Amit K  BPALLI, VSK Murthy  ad other good and valuable consideration paid to each of the undersigned, the receipt at the undersigned agrees to assign, and hereby does assign, transfer and set over to  ROLLS-ROYCE pic  MTU Priedrichshafen GmbH  MTU Onsite Energy GmbH  62 Buckingham Gate, London, SW1E 6AT, Great Britain  Maybachplatz 1, Friedrichshafen \$8045, Germany  Dasingerstrasse 11, Augsburg 86165, Germany  pre's beirs, successors, assigns and legal representatives, the entire right, title and intent 1.8.C. \$100, in the invention, and in all applications for patent including any and all on, international, confirmation, substitute and resistue application(s), and all Letters	
onsideration of the som of iciency of which are here!  INSERT Name of Assi  INSERT Address of A  reinsiter designated as the the United States of Americans, non-provisional, contensions, reissues as usert Identification	y acknowl guee ssignee Assignee) ica as defin divisional, ad reexamin	BALUN (\$1.90) as edged, essential (\$2) (\$3) (\$1) (\$2) (\$3) (\$3) (\$and Assigned in \$35 to continuate equilibrities and expension expensio	EPALLI, VSK Murthy  ad other good and valuable consideration paid to each of the undersigned, the receipt as the undersigned agrees to assign, and hereby does assign, transfer and set over to  ROLLS-ROYCE pic  MTU Friedrichshafen GmbH  MTU Onsite Energy GmbH  62 Buckingham Gote, London, SW1E 6AT, Great Britain  Maybachplatz 1, Friedrichshafen \$8045, Germany  Dasingerstrasse 11, Augsburg 86165, Germany  nee's beirs, successors, assigns and legal representatives, the entire right, title and intent  18.C. \$100, in the invention, and in all applications for patent including any and all  on, international, confirmation, substitute and resistue application(s), and all Letters	
nsert Name of Assi  nsert Address of A  minister designated as the the United States of Americanal, non-provisional, contrasting as the control states of Americanal, extensions, reissues and assert Identification	y acknowl guee ssignee Assignee) ica as defin divisional, ad reexamin	(\$1.00) at edged, care 1) 2) 3) 1) 2) 3) and Assigned in 351 econtinuation	ad other good and valuable consideration paid to each of the undersigned, the receipt at the undersigned agrees to assign, and hereby does assign, transfer and set over to ROLLS-ROYCE pic  MTU Friedrichshafen GmbH  MTU Onsite Energy GmbH  62 Buckingham Gate, London, SW1E 6AT, Great Britain  Maybachplatz 1, Friedrichshafen \$8045, Germany  Dasingerstrasse 11, Augsburg 86165, Germany  ince's beins, successors, assigns and legal representatives, the entire right, title and intent  1.8.C. §100, in the invention, and in all applications for patent including any and all on, international, confirmation, substitute and resistue application(s), and all Letters	
nsert Name of Assi  nsert Address of A  minister designated as the the United States of Americanal, non-provisional, contrasting as the control states of Americanal, extensions, reissues and assert Identification	y acknowl guee ssignee Assignee) ica as defin divisional, ad reexamin	edged, cat  1)  2)  3)  1)  2)  3)  sand Assigned in 381 continuation	th undersigned agrees to assign, and hereby does assign, transfer and set over to ROLLS-ROYCE pic  MTU Priedrichshafen GmbH  MTU Onsite Energy GmbH  62 Buckingham Gute, London, SW1E 6AT, Great Britain  Maybachplatz 1, Friedrichshafen \$8045, Germany  Dasingerstrasse 11, Augsburg 86165, Germany  passingerstrasse 11, Augsburg 86165, Germany  passingerstrasse 11, Sugsburg 86165, Germany  passingerstrasse 11, Augsburg 86165, Germany	
nsert Address of A rematter designated as the the United States of Amer visional, non-provisional, ent, extensions, reissues as usert Identification	Assignee Assignee) ica as defir divisional, ad rectamin	2) 3) 1) 2) 3) snd Assigned in 35 to continuate	MTU Friedrichshafen GmbH  MTU Onsite Energy GmbH  62 Buckingham Gate, London, SW1E 6AT, Great Britain  Maybachplatz 1, Friedrichshafen \$8045, Germany  Dasingerstrasse 11, Augsburg 86165, Germany  nee's beirs, successors, assigus and legal representatives, the entire right, title and inten  18.C. \$100, in the invention, and in all applications for patent including any and all  on, international, confirmation, substitute and resistue application(s), and all Letters	st.
nsert Address of A rematter designated as the the United States of Amer visional, non-provisional, ent, extensions, reissues as usert Identification	Assignee Assignee) ica as defir divisional, ad rectamin	3) 2) 3) snd Assigned in 35 to continue the	MTU Onsite Energy GmbH  62 Buckingham Gate, London, SW1E 6AT, Great Britain Maybachplatz 1, Friedrichshafen \$8045, Germany Dasingerstrasse 11, Augsburg 86165, Germany nee's beins, successors, assigus and legal representatives, the entire right, title and inten 1.8.C. §100, in the invention, and in all applications for patent including any and all on, international, confirmation, substitute and resistue application(s), and all Letters	st
reinatier designated as the the United States of Amer visional, mon-provisional, ent, extensions, reissues an usert Identification	Assignee) ica as defic divisional, id reckamin	1) 2) 3) and Assigned in 354 continuation	62 Buckingham Gote, London, SW1E 6AT, Great Britain Maybachplatz 1, Friedrichshafen 88045, Germany Dasingerstrasse 11, Augsburg 86165, Germany nee's being successors, assigns and legal representatives, the entire right, title and inten J.S.C. §100, in the invention, and in all applications for patent including any and all on, international, confirmation, substitute and resistue application(s), and all Letters	st
reinatier designated as the the United States of Amer visional, mon-provisional, ent, extensions, reissues an usert Identification	Assignee) ica as defic divisional, id reckamin	2) 3) and Assigned in 35 to continuate	Maybachplatz 1, Friedrichshafen 88045, Germany  Dasingerstrasse 11, Augsburg 86165, Germany  nee's beins, successors, assigns and legal representatives, the entire right, title and intent  LS.C. \$100, in the invention, and in all applications for patent including any and all  on, international, confirmation, substitute and resistue application(s), and all Letters	st
reinatier designated as the the United States of Amer visional, mon-provisional, ent, extensions, reissues an usert Identification	Assignee) ica as defic divisional, id reckamin	2) 3) and Assigned in 35 to continuate	Dasingerstrasse 11, Augsburg 86165, Germany nee's beins, successors, assigns and legal representatives, the entire right, title and inten J.S.C. §100, in the invention, and in all applications for patent including any and all on, international, confirmation, substitute and reissue application(s), and all Letters	sŧ
the United States of Amer visional, mon-provisional, cut, extensions, reissues at usert <b>Identification</b>	ica as defin divisional, ad reexamin	and Assigned in 35 to	nce's beirs, successors, assigns and legal representatives, the entire right, title and inten I.S.C. \$100, in the invention, and in all applications for patent including any and all on, international, confirmation, substitute and resigne application(s), and all Letters	st
the United States of Amer visional, mon-provisional, cut, extensions, reissues at usert <b>Identification</b>	ica as defin divisional, ad reexamin	red in 354 continuati	LS.C. \$100, in the invention, and in all applications for patent including any and all on, international, confirmation, substitute and reissue application(s), and all Letters	st
	64.15	Angle l	Determination for a Generator	
such as Title, Case Number, or Foreign Application Number		6719 P		
	(Atton	ney Doc	***************************************	}
lternative	(12)	U.S. Ap	oplication Number 16/401.638	
ientification for			**************************************	
led applications	filed		May 2, 2019	****
or the invention and is the Assignee may Each undersigned a se declared concernitivery way possible in Each undersigned a secessary in connect industrial Property of Each undersigned a senfirm by reissue of Each undersigned a	also to c deem ne- grees to ng any ap n obtaining grees to r similar grees to r reexam nuthorize ties to iss tire inter	xecute soccessory, execute optication grevide execute claims carriers and resuccess and resuccess, and resuccest, and executer binding	all papers necessary in connection with any application and/or pater separate assignments in connection with such applications and pater all papers necessary in connection with any interference which may me or patents for the invention and to cooperate with the Assigned in suce and going forward with such interference.  all papers and documents and perform any act which may be provisions of the International Convention for Protection of sents.  all affirmative acts which may be necessary to obtain, maintain or a grant of a valid United States patent to the Assignee. quests the Commissioner of the U.S. Patent and Trademark Office a sand all patents resulting from said application(s) to the said Assigne covenants that he has full right to convey the entire interest herein d, and will not execute, any agreement(s) in conflict herewith, and tom Assignor and Assignor's heirs, successors, assigns and legal  Assignee's agent the power to insert on this assignment any further	ા
16	rery way possible in Each undersigned a reessary in connect dustrial Property o Each undersigned a sufirm by reissue of Each undersigned a ther issuing authori Assignee of the er seigned, and that he	rery way possible in obtaining the fact undersigned agrees to ressary in connection with idustrial Property or similar Each undersigned agrees to suffirm by reissue or reexam Each undersigned authorize their issuing authorities to its a Assignee of the entire intersigned, and that he has not grees that this assignment is appresentatives.	rery way possible in obtaining evide Each undersigned agrees to execute ressary in connection with claims of dustrial Property or similar agreems Each undersigned agrees to perform suffirm by reissue or reexamination : Each undersigned authorizes and re ther issuing authorities to issue any a Assignee of the entire interest, and seigned, and that he has not execute grees that this assignment is binding spresentatives.	rery way possible in obtaining evidence and going forward with such interference.  Each undersigned agrees to execute all papers and documents and perform any act which may be reessary in connection with claims or provisions of the International Convention for Protection of idustrial Property or similar agreements.  Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or infirm by reissue or reexamination a grant of a valid United States patent to the Assignee.  Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office at their issuing authorities to issue any and all patents resulting from said application(s) to the said Assignee Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein is signed, and that he has not executed, and will not execute, any agreement(s) in conflict herewith, and grees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

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

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

Inven (Print	name) DASGUPTA, Souv	ik	A 1		
Date	315 My 2018	Inventor Sig	nature	(SEAU)	
Cons	This assignment should preferably but if outside the U.S.A. If neither, the	e signed bef n it should be	ore: (a) a Notary Public if within e signed before at least two witne	the U.S.A. (b) a U.S. esses who also sign here:	
Date	31st May 2018	Witness	@ Mart Lynon	K. Salhish	Kumas
Date	31st May 2018	Witness	Branda 9	Sobhraxanti No	nda

# ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

### ASSIGNMENT

			DEMH	ARTER, Johannes		
			DASGU	JPTA, Souvik		
(1-8)	Insert Legal Name(s) of Inventor(s)		KREISSL, Michael			
	insensele)		GUPTA, Amit K.			
			BALDE	PALLI, VSK Murthy		
				of other good and valuable consideration paid to each of the undersigned, the receipt and the undersigned agrees to assign, and hereby does assign, transfer and set over to		
			1)	ROLLS-ROYCE pic		
9)	Insert Name of Assi	gnee	2)	MTU Friedrichshafen GmbH		
			3)	MTU Onsite Energy GmbH		
			1)	62 Buckingham Gate, London, SW1E 6AT, Great Britain		
10)	Insert Address of A	ssignee	2)	Maybachplatz 1, Friedrichshafen 88045, Germany		
			3)	Dasingerstrasse 11, Augsburg 86165, Germany		
	for the United States of Ameri provisional, non-provisional, o	ica as def divisional	ned in 35 U , continuation	see's heirs, successors, assigns and legal representatives, the entire right, title and interest (S.C. §100, in the invention, and in all applications for patent including any and all in, international, confirmation, substitute and reissue application(s), and all Letters ficates that may be granted on the invention known as		
11)	Insert Identification	(11)	Angle f.	Determination for a Generator		
	such as Title, Case Number, or Foreign Application Number		6719 PE			
		: (Altor	mey Doci	Mat Ho		
12)	Alternative	(12)	U.S. Ap	plication Number 16/401,638		
	Identification for			***************************************		
	filed applications	filed		May 2, 2019		
	Each undersigned ag     for the invention and		evenue			

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

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

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

invent	tor				
(Print	name)	KREISSL, Michael		**	
Date	<u> 2000 I</u>	4,2016	Inventor Signature	Muhall	Terefol (SEAL)
Cons					within the U.S.A. (b) a U.S. witnesses who also sign here:
Date	Sune	74,2018	Witness	Harry	Mile
Date	June	744,2048	Witness	Robert 1	Clesh

# ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

### ASSIGNMENT

			DEMH	ARTER, Johannes	
	Insert Legal Name(s) of	DASGU	JPTA, Souvik		
(1-8)		KREIS	SL, Michael		
, ,	Inventor(s)		GUPTA	A, Amit K	
			BALIJI	EPALLI, VSK Murthy	
				nd other good and valuable consideration paid to each of the undersigned, the receipt as th undersigned agrees to assign, and hereby does assign, transfer and set over to	and
			1)	ROLLS-ROYCE plc	
(9)	Insert Name of Assignee		2)	MTU Friedrichshafen GmbH	
			3)	MTU Onsite Energy GmbH	
			1)	62 Buckingham Gate, London, SW1E 6AT, Great Britain	
(10)	Insert Address of Ass	ignee	2)	Maybachplatz 1, Friedrichshafen 88045, Germany	
			3)	Dasingerstrasse 11, Augsburg 86165, Germany	
(11)	Patent, extensions, reissues and reexa		ination certi	on, international, confirmation, substitute and reissue application(s), and all Letters ificates that may be granted on the invention known as  Determination for a Generator	
	such as Title, Case Number, or Foreign Application Number		6719 PI	DG	
		(Attor	ney Docl	ket No186987	)
(12)		(12)	U.S. Ap	oplication Number16/401,638	*****
	Identification for				
	filed applications	filed		May 2, 2019 all papers necessary in connection with any application and/or pate	

Patent and Trademark Office for recordation of this document.

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR - \$1.56.

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

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

Inventor				
(Print nav	GUPTA, Amit K			
Date <u> </u>	21k June 2018	Inventor Signatur	·	(SEAL)
			(a) a Notary Public if within the U.S., ned before at least two witnesses who	
Date	17th June 2018	Witness	Liuxing La	
Date	121× Juna 2018	Witness	Referi Sumangama	

# ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

### ASSIGNMENT

			DEMH.	ARTER, Johannes	
(1-8)	Insert Legal Name(s) of		DASGU	PTA, Souvik	
		of		SL, Michael	
	Inventor(s)			, Amit K	
			BALDEPALLI, VSK Murthy		
	In consideration of the sum of o sufficiency of which are bereby	ne dolla acknow	r (\$1.00) ar ledged, eac	ed other good and valuable consideration paid to each of the undersigned, the receipt as is undersigned agrees to assign, and hereby does assign, transfer and set over to	χi
		. ,	1)	ROLLS-ROYCE ple	
(9)	Insert Name of Assignee		2)	MTU Friedrichshafen GmhH	
			3)	MTU Onsite Energy GmbH	
			1)	62 Buckingham Gate, London, SWIE 6AT, Great Britain	
(10)	Insert Address of Ass	ignee	2)	Maybachplatz 1, Friedrichshafen \$8045, Germany	
()	X 200 may Carrell and an Committee on a		3)	Dasingerstrasse 11, Augsburg 86165, Germany	
(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(11)	Angle I 6719 P	Determination for a Generator	
		(Attor	ney Doc	ket No186987	 }
(12)	Alternative	(12)	U.S. Ap	plication Number 16/401.638	
	Identification for			•	
	filed applications	filed	4	May 2, 2019	
	<ol> <li>Each undersigned agr for the invention and al as the Assigner may de</li> <li>Each undersigned agr</li> </ol>	lso to	execute s	all papers necessary in connection with any application and/or pater eparate assignments in connection with such applications and paten	33

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

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

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

inventor	•				
(Print na	me) BALUEPALLI	I, VSK Murthy	پنتستني	<b>(</b>	
Date	81.05.2018	Inventor Signs	stere Sul	<u> </u>	(SEAL)
Consul	This assignment should prefer if outside the U.S.A. If neithe	ably be signed befor or, then it should be s	e: (a) a Notary Publ signed before at leas	ic if within the U.S.A. I two witnesses who a	(b) a U.S. lso sign here:
Date	3/052018	Witness	<u> Lin Jiwi</u>	<u> </u>	***************************************
Date	81,08,2018	Witness	Jak Wei		s.

PATENT REEL: 049064 FRAME: 0433

RECORDED: 05/02/2019