### 502538126 10/18/2013

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2583519

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PATEL BHAGEERATH REDDY	10/16/2013
KUM-KANG HUH	10/16/2013
AYMAN MOHAMED FAWZI EL-REFAIE	10/16/2013
STEVEN JOSEPH GALIOTO	10/16/2013

#### **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:	14057591

#### **CORRESPONDENCE DATA**

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Correspondent Name: GENERAL ELECTRIC COMPANY GLOBAL RESEARCH

Address Line 1: ONE RESEARCH CIRCLE

Address Line 2: BLDG. K1-3A59

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ATTORNEY DOCKET NUMBER:	266269-1
NAME OF SUBMITTER:	JOSEPH J. CHRISTIAN

REEL: 031437 FRAME: 0050

PATENT

502538126

Signature:	/Joseph J. Christian/	
Date:	10/18/2013	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6 source=266269-1COMBINEDDECLARATIONANDASSIGNMENT#page1.tif source=266269-1COMBINEDDECLARATIONANDASSIGNMENT#page2.tif source=266269-1COMBINEDDECLARATIONANDASSIGNMENT#page3.tif source=266269-1COMBINEDDECLARATIONANDASSIGNMENT#page4.tif source=266269-1COMBINEDDECLARATIONANDASSIGNMENT#page5.tif source=266269-1COMBINEDDECLARATIONANDASSIGNMENT#page6.tif		

PATENT REEL: 031437 FRAME: 0051

## 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:

# TORQUE RIPPLE REDUCTION IN ELECTRIC MACHINES

$\boxtimes$	the specification of which is attached hereto OR
	United States application or PCT international application number
	filed 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	Residenc e State	Residenc e Country
Patel	Bhageerath	Reddy	of	Niskayuna	NY	US
Kum-Kang		Huh	of	Niskayuna	NY	US
Ayman	Mohamed Fawzi	EL-Refaie	of	Niskayuna	NY	US
Steven	Joseph	Galioto	of	Waterford	NY	US

v9.18.12

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:

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.

GE Docket No. <u>266269-1</u>

INVENTOR 1	
Signature:	Date:
Witnessed by:Signature	Date:
Printed Name of Witness	<u></u>
Witnessed by:Signature	Date:
Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF S	SIGNING IN PRESENCE OF A NOTARY
PRegeeath Bl Patel Bhageerath Reddy	Date: 10/16/13
STATE OF New York ss. COUNTY OF Schenectady	
Patel Bhageerath Reddy, to me personally ke	before me personally came the above-named nown as the individual who executed the foregoing shake executed the same of his/her own free will for (Notary Public)
Notate Public State of New York	

INVENTOR 2		
Signature:	_ Date:	
Witnessed by:Signature	Date:	
Printed Name of Witness		
Witnessed by:Signature	Date:	
Printed Name of Witness	-	
Kum-Kang Huh	Date: 10/16/2013	
STATE OF New York ss. COUNTY OF Schenectady		
This day of October, 20)  Kum-Kang Huh, to me personally known assignment, who acknowledged to me that he/s the purposes therein set forth.  Seal	as the individual who executed the lote	gomg
RITA M. LYNCH  Notary Public, State of New York  Qual, in Albary Co. No. 01LY6079764  Commission Expires 2 5 5		

INVENTOR 3	
Signature:Ayman Mohamed Fawzi EL-Refaie	Date:
Witnessed by:Signature	Date:
Printed Name of Witness	
Witnessed by:Signature	Date:
Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF SIGN  Ayman Mohamed Fawzi EL-Refaie	
STATE OF New York ss. COUNTY OF Schenectady	
This Ltd day of Dctole, 2013  Ayman Mohamed Fawzi EL-Refaie, to me persor foregoing assignment, who acknowledged to me to free will for the purposes therein set forth.  Seal	nally known as the individual who executed the
RITA M. LYNCH  Notary Public, State of New York  Oual. in Place Co. No. 01LY6079764  Commission Expires	

INVENTOR 4	
Signature:Steven Joseph Galioto	Date:
Witnessed by:Signature	Date:
Printed Name of Witness	
Witnessed by:Signature	Date:
Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF S  Steven Joseph Galioto	Date: 10 /16 /13
STATE OF New York	
ss. COUNTY OF Schenectady	
<u>Steven Joseph Galloto</u> , to me personally kr	before me personally came the above-named nown as the individual who executed the foregoing e/she executed the same of his/her own free will for
	(Notary Public)
RITA M. LYNCH  Notary Public, State of New York  Qual. in A Carno Carno Commission Expires	

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PATENT REEL: 031437 FRAME: 0057