504157310 12/29/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4203984

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CONVERSANT INTELLECTUAL PROPERTY MANAGEMENT INC.	03/06/2015

RECEIVING PARTY DATA

Name:	GE HYBRID TECHNOLOGIES, LLC
Street Address:	8 SOUTHWOODS BLVD.
City:	ALBANY
State/Country:	NEW YORK
Postal Code:	12211

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15380090

CORRESPONDENCE DATA

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

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Address Line 2: SUITE 325

Address Line 4: PRINCETON, NEW JERSEY 08542

ATTORNEY DOCKET NUMBER:	281306-8
NAME OF SUBMITTER:	SILVIA MANNES
SIGNATURE:	/Silvia Mannes/
DATE SIGNED:	12/29/2016

Total Attachments: 25

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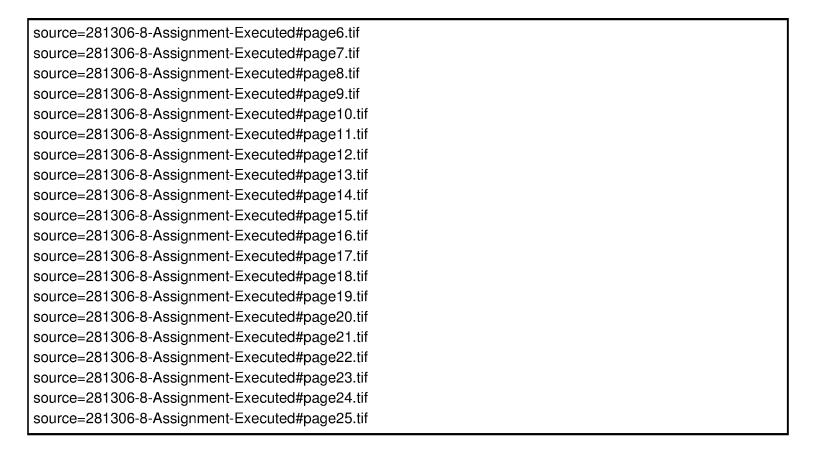
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PATENT 504157310 REEL: 041210 FRAME: 0482



PATENT REEL: 041210 FRAME: 0483

CONFIRMATORY ASSIGNMENT

THIS CONFIRMATORY PATENT ASSIGNMENT (the "Agreement"), is made and entered into this ______ th day of March, 2015, by and between Conversant Intellectual Property Management Inc. ("Assignor") and GE Hybrid Technologies, LLC ("Assignee") (each a "Party" and collectively the "Parties").

WHEREAS, Assignor, prior to December 19, 2014, was the owner of all rights, title and interest in and to the United States and foreign patents and patent applications as listed on Schedule A (United States patent properties) and Schedule B (foreign patent properties) hereto (collectively the "Patents");

WHEREAS, Assignor and Assignee by a Confidential Patent Purchase Agreement (the "Purchase Agreement") dated December 19, 2014, by and between Assignor and Assignee, the terms of which are incorporated herein by reference, effected Assignor to sell, transfer, assign and set over unto Assignee and also effected Assignee to accept, all rights, title and interest in and to the Patents as specified in the "Executed Assignment" dated December 19, 2014, the content of which is herein incorporated by reference in its entirety, and in this Agreement, including any and all related patents and patent applications of the Patents, such as reissues, reexaminations, reviews, extensions, continuations, continuations in part, continuing prosecution applications, provisionals and divisions of the Patents, including any foreign counterparts thereof and patents and patent applications that claim priority to any of the foregoing (said related patents and patent applications shall be referred to as "Related Patent Assets");

NOW, THEREFORE, in consideration of the mutual covenants and agreements of the Parties and pursuant to the Purchase Agreement, including Section 5.2, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, it is hereby agreed and confirmed to be agreed as follows:

I. ASSIGNMENT

- Subject to the terms, rights, and obligations set forth in the Purchase Agreement and the Third Party Encumbrances,
 as that term is defined in the Purchase Agreement, Assignor confirms having sold, transferred, assigned and set
 over to Assignee all rights, title and interest (for all countries but subject to rights, duties, and obligations
 enumerated or identified in the Purchase Agreement) in and to the Patents, the Related Patent Assets and all rights
 and privileges associated therewith.
- Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any
 official of any country or countries foreign to the United States, whose duty is to issue patents or other evidence or
 forms of industrial property on applications as aforesaid, to issue the same to Assignee.
- Assignor agrees that, whenever reasonably requested by Assignee, Assignor will take reasonable efforts to execute
 all papers, take all rightful oaths, and do all acts which may be reasonably necessary for vesting title to the Patents
 and the Related Patent Assets in Assignee.
- 4. Assignor hereby consents that a copy of this Agreement shall be deemed a full legal assignment of the Patents and the Related Patent Assets to Assignee.
- 5. All of the rights, title and interest in and to the Patents and the Related Patent Assets sold, transferred, assigned and set over to Assignee hereunder include (subject to rights, duties, and obligations enumerated or identified in the Purchase Agreement and the Third Party Encumbrances and exclude all income, royalties, and payments now or hereafter due or payable with respect thereto) all causes of action (whether in law or equity) and the right to sue, counterclaim, seek injunctions, settle disputes, and recover damages for the past, present and future infringement of the rights assigned or to be assigned sereunder.

Assignor

By: Scott Burt

Assignee

BY: PETER T. MOLLED

Schedule A
UNITED STATES PATENTS AND PATENT APPLICATIONS

Title	Serial #	Filed Date	Patent #	Issue Date	Expiration Date
REAR DRIVE ELECTRIC VEHICLE	08/438,111	5/8/1995	5,562,178	10/8/1996	5/8/2015
SUPPRESSION OF MULTIPLE NOISE- RELATED SIGNALS IN PULSE WIDTH MODULATED SIGNALS	08/489,550	6/12/1995	5,637,971	6/10/1997	6/12/2015
VEHICLE DRIVE CONTROL SYSTEM	08/651,842	5/21/1996	5,808,427	9/15/1998	5/21/2016
CONTROL SYSTEM FOR A HYBRID VEHICLE	08/910,572	8/1/1997	5,898,282	4/27/1999	8/1/2017
METHOD AND APPARATUS FOR ADAPTIVE HYBRID VEHICLE CONTROL	09/494,812	1/31/2000	6,242,873	6/5/2001	1/31/2020
BATTERY OPERATING CONDITION DEPENDENT METHOD AND APPARATUS FOR CONTROLLING ENERGY TRANSFER BETWEEN AN ENERGY BUS AND A SYSTEM OF BATTERIES	10/062,452	2/5/2002	6,555,991	4/29/2003	© 2/5/2022
DISTRIBUTION OF SPACE-VECTOR PWM CONDUCTION LOSSES AT VERY LOW FREQUENCIES	60/240,552	10/13/2000			EXPIRED
SWITCHING SYSTEM	09/977,601	10/15/2001	6,643,149	11/4/2003	12/18/2021
CONTACTOR FEEDBACK AND PRECHARGE/DISCHARGE CIRCUIT	10/054,606	1/18/2002	6,768,621	7/27/2004	5/13/2022
PROCESS, APPARATUS, MEDIA AND SIGNALS FOR CONTROLLING OPERATING CONDITIONS OF A HYBRID ELECTRIC VEHICLE TO OPTIMIZE OPERATING CHARACTERISTICS OF THE VEHICLE	10/097,297	3/15/2002	6,879,054	4/12/2005	5/22/2022

INVERTER-FILTER NON-	11/582,804	10/18/2006	7,397,675	7/8/2008	11/10/2026
LINEARITY BLANKING TIME AND ZERO CURRENT CLAMPING COMPENSATION SYSTEM AND METHOD					
INDIRECT ROTOR RESISTANCE ESTIMATION SYSTEM AND METHOD	11/724,904	3/16/2007	7,560,895	7/14/2009	2/5/2028
FILTER PACKAGE	11/590,322	10/31/2006	7,561,008	7/14/2009	3/25/2027
NON-LINEAR DROOP CONTROL SYSTEM AND METHOD FOR ISOCHRONOUS FREQUENCY OPERATION	11/440,509	5/25/2006	7,577,006	8/18/2009	6/25/2027
PROCESS AND APPARATUS FOR REDUCING NITROGEN OXIDE EMISSIONS IN GENSET SYSTEMS	60/798,901	5/9/2006			5/8/2007
PROCESS AND APPARATUS FOR REDUCING NITROGEN OXIDE EMISSIONS IN GENSET SYSTEMS	11/800,841	5/8/2007	7,728,448	6/1/2010	8/1/2028
FOUR-WINDING CHOKE	60/860,412	11/21/2006			11/21/2007
RFI/EMI FILTER FOR VARIABLE FREQUENCY MOTOR DRIVE SYSTEM	11/985,664	11/16/2007	7,741,798	6/22/2010	12/11/2028
METHOD, APPARATUS, SIGNALS, AND MEDIUM FOR MANAGING POWER IN A HYBRID VEHICLE	11/515,175	9/1/2006	7,826,939	11/2/2010	8/26/2029
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METHOD, APPARATUS, SIGNALS, AND MEDIUM FOR MANAGING POWER IN A HYBRID VEHICLE	12/925,403	10/19/2010	8,738,203	5/27/2014	10/7/2028
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METHOD, APPARATUS,	14/273,305	5/8/2014			9/1/2026
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METHOD AND SYSTEM	12/011,671	1/29/2008	7,893,650	2/22/2011	2/21/2029
FOR MULTIPHASE	12013,011	1/23/2000	/,U>J,UUU	2/22/2011	212112U27
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METHOD AND SYSTEM	13/774,415	2/22/2013		8 8	2/21/2029
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METHODS OF	10/084,331	2/28/2002	6,909,200	6/21/2005	12/20/2022
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HYBRID ELECTRIC					
VEHICLE, AND					
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AND SIGNALS FOR THE SAME		**			
METHOD, APPARATUS,	60/01/602	C/0C/0002			
SIGNALS AND MEDIA,	60/816,503	6/26/2006			EXPIRED
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METHOD, APPARATUS,	11/821,855	6/26/2007	8,346,416	1/1/2013	11/16/2029
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METHOD AND APPARATUS FOR STARTING AN ENGINE IN	11/606,481	11/30/2006	8,387,730	3/5/2013	11/27/2029
A HYBRID VEHICLE		8	÷.		Additional Control of the Control of
METHOD AND APPARATUS FOR STARTING AN ENGINE IN A HYBRID VEHICLE	13/758,019	2/4/2013		.8	11/30/2026
METHOD AND APPARATUS FOR STARTING AN INTERNAL COMBUSTION ENGINE	12/735,049	12/11/2007	8,474,429	7/2/2013	4/5/2029
METHOD AND APPARATUS FOR STARTING AN INTERNAL COMBUSTION ENGINE	13/902,088	5/24/2013	8,839,754	9/23/2014	12/11/2027
APPARATUS AND METHOD FOR DELIVERING POWER IN A HYBRID VEHICLE	61/633,048	2/3/2012			2/3/2013
APPARATUS AND METHOD FOR DELIVERING POWER IN A HYBRID VEHICLE	14/375,396	7/29/2014			2/1/2033
PROGRAMMABLE GATE- CONTROLLER	61/463,606	2/18/2011		***************************************	2/18/2012
PROGRAMMABLE GATE- CONTROLLER SYSTEM AND METHOD	13/385,403	2/17/2012			2/17/2032
METHOD AND APPARATUS FOR STARTING AN ENGINE IN A HYBRID VEHICLE	14/553,244	11/25/2014			11/30/2026

Schedule B
FOREIGN PATENTS AND PATENT APPLICATIONS

Title	Cou	Serial #	Filed Date	Patent#	Issue Date	Expiration
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	y ID	1 80 80 80			100 to 10	
A CONTROL	CA	2,182,630	8/2/1996	2,182,630	2/11/2003	8/2/2016
SYSTEM FOR A		60 80 80				
HYBRID VEHICLE METHOD AND	CA	2,397,074	1/30/2001	2,397,074	1/22/2008	1/30/2021
APPARATUS FOR	C/X	2,397,0/4	1/30/2001	۵,397,074	1/22/2000	1/30/2021
ADAPTIVE HYBRID	20	*		18 18	** Ba - a a	
VEHICLE CONTROL	11	***			1000000 101 10	48
METHOD AND	DE	60117960.9	1/30/2001	1252036	3/15/2006	1/30/2021
APPARATUS FOR		# "				
ADAPTIVE HYBRID VEHICLE CONTROL		³		88 88 .	3	
METHOD AND	EP	01902208.6	1/30/2001	1252036	3/15/2006	N/A
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METHOD AND	FR	01902208.6	1/30/2001	1252036	3/15/2006	1/30/2021
APPARATUS FOR			1966-1966 - 1966-19	# #		
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METHOD AND APPARATUS FOR	GB	01902208.6	1/30/2001	1252036	3/15/2006	1/30/2021
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ADAPTIVE HYBRID		# #				
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METHOD AND	BR	PI0307462-5	2/4/2003			2/4/2023
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APPARATUS AND METHOD FOR MANAGING POWER IN A HYBRID VEHICLE	DE	602007017837.1	8/30/2007	2062220	10/12/2011	8/30/2027
APPARATUS AND METHOD FOR MANAGING POWER IN A HYBRID VEHICLE	EP	07800541.0	8/30/2007	2062220	10/12/2011	N/A
COST MINIMIZATION FOR HYBRID VEHICLE POWER MANAGEMENT	ES	07800541.0	8/30/2007	2062220	10/12/2011	8/30/2027
APPARATUS AND METHOD FOR MANAGING POWER IN A HYBRID VEHICLE	FR	07800541.0	8/30/2007	2062220	10/12/2011	8/30/2027
APPARATUS AND METHOD FOR MANAGING POWER IN A HYBRID VEHICLE	GB	07800541.0	8/30/2007	2062220	10/12/2011	8/30/2027
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COST MINIMIZATION FOR HYBRID VEHICLE POWER MANAGEMENT	WO	PCT/CA2007/001516	8/30/2007	*	8 8	3/1/2009
METHOD AND SYSTEM FOR MULTIPHASE CURRENT SENSING	CĄ	2,713,403	1/12/2009	*		1/12/2029
METHOD AND SYSTEM FOR MULTIPHASE CURRENT SENSING	EP	09706033.9	1/12/2009		**	1/12/2029
METHOD AND SYSTEM FOR MULTIPHASE CURRENT SENSING	HK	11102762.9	1/12/2009	*	**	1/12/2029
METHOD AND SYSTEM FOR MULTIPHASE CURRENT SENSING	MX °	MX/a/2010/008236	1/12/2009	289654	8/25/2011	1/12/2029

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METHODS OF	BR	PI0307997-0	2/26/2003			2/26/2023
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METHODS OF	CN	03804797.7	2/26/2003	ZL03804797.	9/8/2010	2/26/2023
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