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DEPARTMENT OF COMMERCE

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RECORDATION FO	
Attorney Docket No. 381NP/49713DV PATENTS	S ONLY
To the Director of the U.S. Patent and Trademark Office: Please	e record the attached documents or the new address(es) below.
1. Name of conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(ies)
Hitachi, Ltd.	Name: NISSAN MOTOR CO., LTD.
Execution Date(s) February 5, 2003	(undivided 50% interest)
<u>reditary 0, 2000</u>	Street Address:
	Yokohami-shi, Kanagawa-ken
Additional name(s) of conveying party(ies) attached? Yes No	JAPAN
3. Nature of conveyance: Assignment Security Agreement Change of Name	Additional name(s) & address(es) attached? 🗌 Yes 🔀 No
Government Interest Assignment Executive Order 9424, Confirmatory License Other .	
4. Application number(s) or patent number(s):	document is being filed togother with a new application
A. Patent Application No.(s)	B. Patent Registration No.(s)
	6,661,109
Additional number(s) att	
5. Name and address of party to whom	6. Total number of applications and patents
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as a second second should be mailed.	involved 1
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-	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
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Name: <u>Gary R. Edwards</u> <u>Crowell & Moring LLP</u> Intellectual Property Group	 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)
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Name: <u>Gary R. Edwards</u> <u>Crowell & Moring LLP</u> <u>Intellectual Property Group</u> <u>PO Box 14300</u>	 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers
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Name: <u>Gary R. Edwards</u> <u>Crowell & Moring LLP</u> <u>Intellectual Property Group</u> <u>PO Box 14300</u> City: <u>Washington</u> State: <u>DC</u> Zip: <u>20044-4300</u>	 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date
Name: <u>Gary R. Edwards</u> <u>Crowell & Moring LLP</u> <u>Intellectual Property Group</u> <u>PO Box 14300</u> City: <u>Washington</u>	 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number <u>05-1323</u>
Name: <u>Gary R. Edwards</u> <u>Crowell & Moring LLP</u> <u>Intellectual Property Group</u> <u>PO Box 14300</u> City: <u>Washington</u> State: <u>DC</u> Zip: <u>20044-4300</u> Phone Number: <u>202-624-2500</u>	 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date
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Name: <u>Gary R. Edwards</u> <u>Crowell & Moring LLP</u> <u>Intellectual Property Group</u> <u>PO Box 14300</u> City: <u>Washington</u> State: <u>DC</u> Zip: <u>20044-4300</u> Phone Number: <u>202-624-2500</u> Fax Number: <u>202-628-8844</u> Email Address: 9. Signature: <u>Munt Muendund</u>	 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 05-1323 Authorized User Name 23911
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Name: Gary R. Edwards Crowell & Moring LLP Intellectual Property Group PO Box 14300 City: Washington State: DC Zip: 20044-4300 Phone Number: 202-624-2500 Fax Number: 202-628-8844 Email Address: 9. Signature: Mut Mutenduk Signature	 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 05-1323 Authorized User Name 23911 June 22. 2005 Date

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ASSIGNMENT OF PARTIAL INTEREST IN U.S. PATENT APPLICATION

RECITALS

United States Patent Application Serial No. 10/152,801 for ELECTRIC GENERATING SYSTEM FOR AUTOMOBILES AND ITS CONTROL METHOD as assigned to Hitachi, Ltd. (hereinafter "Assignor") by the inventors Yoshinori FUKASAKU; Tatsuyuki YAMAMOTO; Yuuji MAEDA; Keiichi MASHINO; Susumu TAJIMA; Hisaya SHIMIZU; Keisuke NISHIDATE and Toshiyuki INNAMI, by an Assignment recorded in the United States Patent and Trademark Office on February 22, 2001, at Reel 011582, Frame 0138, whereby Assignor is the owner of the entire right, title and interest in and to said United States Patent Application.

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby sells, conveys and assigns to NISSAN MOTOR CO., LTD., Yokohami-shi, Kanagawa-ken, Japan, an undivided fifty percent (50%) interest in and to United States Patent Application Serial No. 10/152,801, as well as the invention disclosed therein, and all continuations, continuations-in-part, divisions, reissues, reexaminations or extensions thereof, the said interest conveyed herein being fifty percent (50%) of the entire ownership of said United States Patent Application, inventions and applications, including fifty percent (50%) of the entire ownership of any patent or patents issued or to be issued pursuant to said application, whether before or after the date hereof, to be held and enjoyed by assignees, its successors and assigns, to the full end of the term of said Letters Patent, and of any patent or patents issued pursuant to said applications. Assignor hereby retains for itself, and remains the owner of an undivided fifty percent (50%) interest in and to United States Patent Application Serial No. 10/152,801, as well as the invention disclosed therein and all continuations, continuations-in-part, divisions, reissues, reexaminations or extensions thereof, and an undivided fifty percent (50%) interest in and to any patent or patents issued or to be issued pursuant to any of said applications, whether before or after the date hereof.

WITNESS:

HITACHI, LTD.

Name:	Takay					
Signature	: 6		Roll	u	ama	
Title:	Manac					
Date:	Febru	•	5,2	200)3	

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By: Yasuo SAKUTA, Patent Attorney
Signature: <u>Jane kolution</u> Title: Executive Managing Director,
Title: Executive Managing Director,
Date:
February 5. 2003

PATENT REEL: 016700 FRAME: 0974

RECORDED: 06/22/2005