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Shinichi IIIROTA	Name: BOSCH CORPORATION		
Tomonori WATANABE	Internal Address:		
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance/Execution Date(s):	Street Address: <u>6-7, Shibuya 3-chome, Shibuya-ku,</u> Tokyo 150-8360, Japan		
Execution Date(s) 10/08/2009			
Assignment Green	City:		
Security Agreement Change of Name			
Joint Research Agreement	State:		
Government Interest Assignment	Country:Zip:		
Executive Order 9424, Confirmatory License			
Other	Additional name(s) & address(es) attached? Yes X No		
	document is being filed together with a new application.		
A. Patent Application No.(s)	B. Patent No.(s)		
12/597,519			
Additional numbers at 5. Name and address to whom correspondence	tached? Yes X No 6. Total number of applications and patents		
concerning document should be malled:	involved: 1		
Name: Ronald E. Greigg	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00		
Internal Address: Greigg & Greigg P.L.L.C.			
·	Authorized to be charged to deposit account		
Street Address: 1423 Powhatan Street	 None required (government interest not affecting title) 		
Unit One	8. Payment Information		
City: Alexandria			
State: Virginia Zip: 22314			
Phone Number: (703) 838-5500			
Fax Number: (703) 838-5554	Deposit Account Number 07-2100		
Email Address:	Authorized User Name Ronald E. Greigg		
9. Signature:	5 JANUARY 2010		
Sighaton	Date		
RONALD E. GREIGG	Total number of pages including cover 3 sheet, attachments, and documents:		
Name of Person Signing			

Documents to be recorded (Including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT REEL: 023742 FRAME: 0349

	Rights, Title and Inter			Docket No.
(Mult	(Multiple inventors; single assignee)			09:141
This is an Assignment of the j	ollowing rights, title and inte	rest: (check all that a	upply):	
🛛 United States of	America rights, title and int	erest in the invention		
🗋 🛛 Foreign rights,	title and interest in the inven	tion		
United States Pl	ttent Application Serial No.	12/597,519		
Date of Exe	cution: 10/08/2009	Date of Filing:	December 16, 200	9
United States Pr	ovisional Patent Application	Serial No.		
United States Particular	uent No(s).			
International (I	CT) Patent Application Serie	ul No.		
Other (specify)				
itle of the Invention	-			
wentors (assignors)				
Name			Address	
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		Higashi-matsuyama	-shi, Saitama 355-86	03, Japan
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	······································			
ssignee				
Name			Address	
BOSCH CORPORATION	6-7, SI	nibuya 3-chome, Shibi	uya-ku, Tokyo 150-83	360, Japan
	[elof 2]	·····	AS03A/REV02

PATENT REEL: 023742 FRAME: 0350 ÷

Assignment of Rights, Title and Interest in Invention	Docket No.
(Multiple inventors; single assignee)	09:141

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignce, as assignce of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

	Signature/Date			
Shinich Hirota	8. Oct. 2009			
Tounqueri Watanabe	8. Act. 2009			
	······			
	Shinich Hirota			

(Page 2 of

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RECORDED: 01/05/2010