1-31-92		1 - 2006 ATION Atty. Docket: 00862.115552.	
	To the Director, U.S. Patent and Tra	riginal documents or copy thereof.	
1.	Name of conveying party(ies): 1031	86803 ss of receiving party(ies):	
	1) KAZUTOSHI HARA 2) TETSUO IDO 3) FUMIHIDE GOTO	Name: CANON KABUSHIKI KAISHA	
	Additional name(s) of conveying party(ies) attached? Yes X No	Foreign Address: 3-30-2, Shimomaruko, Ohta-ku	
		Tokyo, Japan	
3.	Nature of conveyance: X Assignment	Domestic Address:	
	2) February 17, 2006; and 3) February 16, 2006.	City: State ZIP	
		Additional name(s) & address(es) attached? Yes No	
	If this document is being filed together with a new application, A. Patent Application Number: Not Yet Assigned Filing Date: Concurrently Herewith	2) February 17, 2006; and 3) February 16, 2006. B. Title of Invention: COMMUNICATION APPARATUS AND METHOD	
	Additional numbers attached?	Yes X No	
5.	Name and address of party to whom correspondence concerning document should be mailed:	6. Number of applications and patents involved:	
	Name: Fitzpatrick, Cella, Harper & Scinto	One	
	30 Rockefeller Plaza	7. Total fee (37 CFR 3.41): \$ 40.00	
	New York, New York 10112-3800	X Enclosed Authorized to be charged to deposit account	
	Telephone No.: (212) 218-2100	8. Deposit account number (for deficiency or excess)	
	Facsimile No.: (212) 218-2200	O6-1205 (Attach duplicate copy of this page if paying by deposit account):	
DO NOT USE THIS SPACE			
9.	Statement and signature. To the best of my knowledge and belief, the foregoing informati	03/82/2006 LMUELLER 00000026 11350205 on is true and that diffe and it is the original document or is a	
John D. Magluyan, Reg. No. 56,867 Name of Person Signing True copy of the original document. John D. Magluyan, Reg. No. 56,867 Signature February 21, 2006 Date			
	Total number of	f pages including cover sheet, attachments, and documents: 3	

Form #122

CA_MAIN 109558v1

10015552US01

JOINT (BEFORE APPLICATION FILED)

ASSIGNMENT

FOR VALUE RECEIVED, WE Kazutoshi Hara, Tetsuo Ido and Fumihide

Goto

citizens of Japan

hereby sell, assign, transfer and convey unto CANON KABUSHIKI KAISHA

a corporation of Japan

having a place of business at 3-30-2, Shimomaruko, Ohta-ku, Tokyo, Japan

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title, and interest, for all countries, in and to certain inventions relating to

COMMUNICATION APPARATUS AND METHOD

and described in an application for Letters Patent of the United States which is filed concurrently herewith and was executed by us, respectively, in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

REEL: 017581 FRAME: 0780

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

By: Kazutoshi Hara	Date: Feltnary 16, 2006
By: Tetruo Ido Tetsuo Ido	Date: February 17, 2006
By: Funchide Goto	Date: February 16, 2006

REEL: 017581 FRAME: 0781

Form-PTO-1595 TRANSMITTAL OF DOCUMENT FOR RECORDATION 1-21-92 PATENTS ONLY Atty. Docket: 00862.115552.			
To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.			
Name of conveying party(ies):	Name and address of receiving party(ies):		
1) KAZUTOSHI HARA 2) TETSUO IDO 3) FUMIHIDE GOTO	Name: CANON KABUSHIKI KAISHA		
Additional name(s) of conveying party(ies) attached? Yes X No	Foreign Address: 3-30-2, Shimomaruko, Ohta-ku Tokyo, Japan		
3. Nature of conveyance: X Assignment	Domestic Address:		
Execution Date: 1) February 16, 2006; 2) February 17, 2006; and 3) February 16, 2006.	City: State ZIP Additional name(s) & address(es) attached?		
 4. Application number(s) or patent number(s): If this document is being filed together with a new application, A. Patent Application Number: Not Yet Assigned Filing Date: Concurrently Herewith Additional numbers attached? 	the execution date of the application is: 1) February 16, 2006; 2) February 17, 2006; and 3) February 16, 2006. B. Title of Invention: COMMUNICATION APPARATUS AND METHOD Yes X No		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Number of applications and patents involved: One		
Name: Fitzpatrick, Cella, Harper & Scinto 30 Rockefeller Plaza New York, New York 10112-3800	7. Total fee (37 CFR 3.41): \$ 40.00 X Enclosed Authorized to be charged to deposit account		
Telephone No.: (212) 218-2100	8. Deposit account number (for deficiency or excess)		
Facsimile No.: (212) 218-2200	O6-1205 (Attach duplicate copy of this page if paying by deposit account):		
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9. Statement and signature. To the best of my knowledge and belief, the foregoing informative copy of the original document.			
Name of Person Signing Name of Person Signing Total number of pages including cover sheet attachments and documents: 3			

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RECORDED: 02/22/2006

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