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A. Patent Application No.(s) NEW	B. Patent No.(s) 11/883253	
Additional numbers attached?		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Charles Gorenstein BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 1248-0941PUS1 Street Address: 8110 Gatehouse Road Suite 100 East P.O. Box 747	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)	
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9. Signature: Signature: July 26, 2007		
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ASSIGNMENT

NEW

Application No. __

nsert Name(s) f Inventor(s)	***(Given Name FAMILY NAME (ALL CAPS))***		
	WHEREAS,	Hitoshi NAOE	; Fumihiro FUKAE
	Koji SAKAI	.Shohei OHSAWA	•
		· · · · · · · · · · · · · · · · · · ·	
			
	OMMUNICATION DEVICE	ne undersigned) has (have) invented come communication system, AM, AND COMMUNICATION CI	
		r Letters Patent of the United States of a provisional application).	of America has been executed by the
nsert Date Signing of pplication	on July 10	and July 11, 2007	; and
sert Name Assignee	WHEREAS,	ARP KABUSHIKI KAISHA	
sert Address Assignee	of	cho Abeno-ku Osaka-shi	Osaka 545-8522 Japan
HECK BOX APPROPRIATE	desirous of acquiring the e Letters Patent(s) that may be in any foreign countries.	representatives and assigns (hereina ntire right, title and interest in and t granted therefor in the United States	o said invention and in and to any
	paid, the receipt of which i undersigned has (have) sold transfer unto said Assigned America, its territories, depe any and all Letters Patent(s	nsideration of the sum of Ten Dollars is hereby acknowledged, and other god, assigned and transferred, and by the full and exclusive right to the same and possessions and the endencies and possessions and therefor in a possessions, and if the box above it	nood and valuable consideration, the these presents does sell, assign and aid invention in the United States of tire right, title and interest in and to a the United States of America, its
	and to any and all divisions term or terms for which the sa	, reissues, continuations, conversions me may be granted.	and extensions thereof for the full

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PATENT REEL: 019674 FRAME: 0342 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date JUL 10, 2007,	Name of Inventor Hitorhi Nace
Date JVL 10, 2007,	(signature) Hitoshi NAOE Name of Inventor Fumiking Fukae (signature) Fumihiro FUKAE
Date_10/2 (1, 200)	Name of Inventor Roji SAKAI
Date Jul, 11, 2007,	Name of Inventor
Date,	Name of Inventor(signature)
Date,	Name of Inventor(signature)

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June 2002

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