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		, 22010 1.00	Attorney Docket No. 116169					
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		Security Agreement						
		Other						
	B.	Execution Date: 1) May 26, 2003 2) May 27, 2003						
4.	4. A. If this document is being filed together with a new application, the execution date of the application is: 1) May 26, 2003 2) May 27, 2003							
	B.	Patent Application No.(s)	C. Patent No.(s)					
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5.	Nan	ne and address of party to whom correspondence cerning document should be mailed:	6. Total number of applications and patents involved: 1					
	Na	me: James A. Oliff	7. A. Total fee (37 CFR 3.41)\$ 40.00					
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	To the o	ement and signature. The best of my knowledge and belief, the foregoing information in the foregoing in the for	ntion is true and correct and any attached copy is a true copy of Date: June 6, 2003					
Đ		Total number of pages in	cluding cover sheet, attachments, and document: 2					

PATENT REEL: 014147 FRAME: 0429

			ASSIGNMENT	
		(1)	Norikazu OKAKO	(5)
(1-8)	Insert Name(s) of Inventor(s)	(2)	Minoru SHIOI	(6)
		(3)		(7)
		(4)		(8)
(9)	Insert Name of Assignce			and other good and valuable consideration paid to each and hereby does assign, transfer and set over to
(10)	Insert Address of Assignce	(10)	1-13-1, Nihonbashi, Chu	o-ku, Tokyo, 103-8272, Japan
		entire in all a substit	right, title and interest for the United States of A applications for patent including any and all pro	s heirs, successors, assigns and legal representatives, the uncrica as defined in 35 U.S.C. §100, in the invention, and visional, non-provisional, divisional, continuation, attent, extensions, reissues and reexamination certificates
(11)	Insert	(11)	CARD-TYPE WIRELESS COM	MUNICATION DEVICE
	Identification such as Title, Case Number, or Foreign			
	Application Number	(Attor	ney Docket No. 116169	

Identification for filed applications filed June 6, 2003

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents

May 26 and 27, 2003

date herewith or

(13) U.S. application Serial Number

(12) on

(12)

(13)

Insert Date of

Signing of

Application

Alternative

for which the undersigned has (have) executed an application for patent in the United States of America on even

as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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Date	may 26, 2003	Inventor Signature	norikanu Ohako	(SEAL)
Date	may 27, 2003	_ Inventor Signature	minoru Shioi	(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
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then it s	This assignment should preferably be signed hould be signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before at least two witnesses were supported to the signed before the signed to the signed before the signed two signed to the signed two signed to the signed t		f within the U.S.A. (b) a U.S. Consul if outside the U.S.A.	If neither,
Date		Witness		
Date		Witness		

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