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To the Honorable Commissioner 1. Name of conveying party: Takaaki SAIGO 4 - 3 - 02 Additional name(s) of conveying party(ies) attached? Yes No. 3. Nature of conveyance: Assignment	Street Address:			
Other Execution Date: March 25, 2002	City: State: Zip: Postal Code:			
	Additional name(s) & address(es) attached? Yes No			
4. Application number(s) or patent number(s); If this document is being filed together with a new applic A. Patent Application No.(s)	eation, the execution date of the application is: March 25, 2002 B. Patent No.(s)			
	ers attached? Yes No			
5. Name and address of party to whom correspondent concerning document should be mailed: Attorney Name: Eric J. Robinson Firm Name: Nixon Peabody LLP Internal Address: Suite 800 Street Address: 8180 Greensboro Drive, City: McLean State: VA Zip: 22102	7. Total number of applications and patents involved: 1 8. Total fee (37 CFR 3.41)\$40.00 Enclosed Authorized to be charged to deposit account			
6. Submission Type	9. Deposit account number:			
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10. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.				
Eric J. Robinson	April 3, 2002			
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PATENT REEL: 012938 FRAME: 0657

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Attorney Docket No.

ASSIGNMENT

WHEREAS Takaaki SAIGO

(hereinafte	r designate	d as t	the undersign	ned) has	(have)	invented	certain	new	and useful
improveme	ents in N	10BIL	E COMMU	NICATI	ON TE	RMINAL			
			etters Patent		nited Sta	tes of Amo	erica has	been e	executed by
WH	HEREAS, J	KABU	SHIKLKAIS	SHA KE	NWOO	D			of
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NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional 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 any continuation, division or reissue thereof or Letters 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 under or provisions of the International

PATENT REEL: 012938 FRAME: 0658 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 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 Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby convenants 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 Nixon Peabody 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.

In witness thereof, this Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

Date March 25, 202	Name of Inventor Takaaki Aaigo	(SEAL)
Date,	Name of Inventor	(SEAL)
Date,	Name of Inventor	(SEAL)
Date,	Name of Inventor	. (SEAL)
Date,	Name of Inventor	(SEAL)
Date,	Name of Inventor	(SEAL)
Date,	Name of Inventor	(SEAL)

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who should sign here.)

Witness	Hiroyuki ISHIDA	Hiroyuki Ishida		
Witness	(name) Masaru HIYAMA	(signature)		
	(name)	(signature)		

RECORDED: 04/03/2002

PATENT REEL: 012938 FRAME: 0659