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Hiroki UCHIYAMA and Takahiro ASAI		Name:	RICOH COMPANY, LTD.	
		Address:	3-6, Nakamagome 1-Chome, Ohta-ku,	
Additional name(s) of conveying party(ies) attached? □Yes ■No			TOKYO 143-8555 JAPAN	
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Execution Date:	September 28, 2001 October 1, 2001	Additional	name(s) and address(es) attached? □Yes ■No	
4. Application number(s) or patent number(s):				
If this document is being filed together with a new application, the execution date of the application is:				
A. Patent Application No.(s) 09/942,592		B. Patent N	o.(s)	
	Additional numbers a	ttached? □Ye	s ■No	
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PATENT REEL: 012257 FRAME: 0831

Assignment Of Application

Page 1 of 2

	WHEREAS, I (WE) Hiroki UCHIYAMA at Yokohama-shi, JAPAN
SERT NAMES ND RESIDENCE DDRESSES OF IE INVENTORS:	and Takahiro ASAI at Tokyo, JAPAN
	, respectively,
SERT TITLE	have invented certain new and useful improvements in: INFORMATION INPUT/OUTPUT
	SYSTEM, METHOD AND TERMINAL THEREFOR
SERT DATE IN- ENTORS SIGNED ECLARATION:	for which an application for Letters Patent was executed on
	(Application No09/942,592, filedAugust 31, 2001), and
:	WHEREAS, Ricoh Company, LTD. (hereinafter referred to as "ASSIGNEE") having a place of business at: 3-6, Nakamagome
	(hereinafter referred to as "ASSIGNEE") naving a place of business.
	1-Chome, Ohta-ku, Tokyo 143-8555, JAPAN
	1-Chome, Ohta-ku, Tokyo 143-8555, DATAN is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;
	any and an 1999 pollars (\$5.00), the

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and exclusive right to the said invention in the United States and to any and all Letters in all foreign countries and the entire right, title and interest in and to any and all territorial possessions Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

1/95

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which 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.

Date: Sep. 28, 200/	7 Jiroki Uchiyama (Signature of Inventor) Hiroki UCHIYAMA
Date:	Jakahiro ASAI
Date:	(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW

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PATENT REEL: 012257 FRAME: 0833

RECORDED: 10/15/2001