-31-9



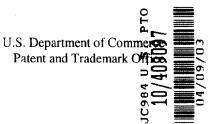
Comm ssioner of Patents and Trademarks

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04-17-2003



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Our Ref.: 1035-438

Box Assignment, Washington, D.C. 20231				
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.				
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):			
Hiteshi ENDO				
	Name: SHARP KABUSHIKI KAISHA			
	Internal Address:			
	Street Address: 22-22, Nagaike-cho, Abeno-ku			
Additional name/s of conveying party/ies attached?				
2. N	City Ocales			
3. Nat tre of conveyance: ☐ Assignment ☐ Merger	City: Osaka State/Country: Japan			
Assignment Integer Integer Security Assignment Change of Name	Zip: 545-8522			
Other	Zipi <u>213 0322</u>			
Execution Date: March 24, 2003	Additional name/s & address/es attached? Yes No			
4. Application number(s) or patent number(s):				
I this document is being filed together with a new application, the execution	n date of the application is: March 24, 2003			
A Patant Application No(s)	B. Patent No(s).			
A 'atent Application No(s). /0409097	(1)			
	$\begin{pmatrix} \alpha \gamma \\ (2) \end{pmatrix}$			
(3)	(3)			
Additional numbers at				
5. Nane and address of party to whom correspondence	6. Total number of applications & patents involved:1			
ccr perning document should be mailed:				
	7. Total fee (37 CFR 3.41) \$ 40.00			
Not le: H. Warren Burnam	☑ Enclosed			
	Authorized to be charged to deposit account #14-1140			
Internal Address:				
Company Number of Manufacture D.C.	8. The Commissioner is hereby authorized to charge any			
Sto et Address: Nixon & Vanderhye P.C. 1100 North Glebe Road	<u>deficiency</u> in the fee(s) filed, or asserted to be filed, or which			
8 th Floor	should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No.			
Cit: Arlington State: VA Zip: 22201	14-1140.			
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DO NOT USE THIS SPACE				
9. Sta ements and signature.				
To he best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy				
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M. M. D. 2 M. M. L. YA ()				
H. Warren Burnam Jr.	April 9, 2003			
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Total number of pages including original cover sheet, attachments, and document: [2]				
Total names, or habes mertaning strained of a machine may are decarred.				

PATENT

728033

REEL: 013955 FRAME: 0927

			Case No. :
	ASSIGN	MENT OF U.S. PATE	NT APPLICATION
	Hitoshi ENDO		
Inventors)			
	considerations pai		dollar (\$1.00) and other good and valuable ned, the undersigned agree(s) to assign, and
Assignee)	SHARP KABUSH		a corporation of Osaka, Japan
Address)		o Abeno-ku Osaka 545-8	
	the United States,	its territories, dependenci	e undersigned's entire right, title and interest for les and possessions in the invention, and all
Title)	applications for pa	itent and any Letters Pate	nt which may be granted therefore, known as
,	INFORMATION D	ELIVERY PROGRAM, AI	NFORMATION DELIVERING DEVICE, ND COMPUTER-READABLE RECORDING ON DELIVERY PROGRAM RECORDED
	patent in the Unite	d States of America or, if	not on even date herewith an application for not on even date, then has executed on U.S. application Serial No, on
		acknowledges an obligation in the invention was made	on of assignment of this invention to said e.
Assignee man n connection Property or s The	ay deem necessary on with claims or provisimilar agreements. undersigned agree(or expedient and further to risions of the International s) to perform all affirmativ	ection with such applications as the perform any act which may be necessary Convention for Protection of Industrial e acts which may be necessary to obtain a
•		tent to the Assignee.	
any and all L divisions or o and hereby o and that he f	Letters Patent of the continuing applicatio covenants that he ha has (they have) not e	United States resulting from the said Ass as (they have) full right to dexecuted and will not executed.	(s) the Commissioner of Patents to issue om said application or any division or ignee, as Assignee of the entire interest, convey the entire interest herein assigned cute, any agreement in conflict herewith.
on this assig with the rule and agreed and will cont	gnment any further ions of the United State that ASSIGNEE'S at tinue to represent on	lentification which may be sees Patent Office for record torneys Nixon & Vanderhy ly ASSIGNEE with respec	
In w signature(s)	· · · · · · · · · · · · · · · · · · ·	cuted by the undersigned	on the date(s) opposite the undersigned
Date <u>Ma</u>	rch 24, 2003	Signature of inventor	Hitoshi ENDO
Date		Signature of inventor	
Date		Signature of inventor	
Date		Signature of inventor	
Date		Signature of inventor	
Witnessed t	by:		Date

PATENT 264637

RECORDED: 04/09/2003 REEL: 013955 FRAME: 0928

Witnessed by:

Date