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1. Name of conveying BANE (es)	Name and address of receiving party(ies):
Takatoshi HAYASHI; Atsushi NAKAHATA; Takuji YAMASHITA; Hidetoshi TAKEYAMA, Koji SAGAWA; Tetsuya YAMADA; Tomohiro TAGUCHI; Hisao YABU Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No	Name: Matsushita Electric Works, Ltd. Address: 1048 Oaza-Kadoma, Kadoma-shi, Osaka 571-8686, Japan Additional name(s) & address(es) attached? Yes No
3. Nature of conveyance: Assignment	
If this document is being filed together with a new application, the execution A. Patent Application No.(s)	cution date of the application is: <u>April 4, 2001</u> B. Patent No.(s)
Additional numbers attached? 🔲	Yes ⊠ No
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: One
Name: Arent Fox Kintner Plotkin & Kahn PLLC	7. Total fee (37 CFR 3.41) \$ 40.00
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PATENT REEL: 011747 FRAME: 0051

Docket No:		
Docket No:		

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor (hereinafter ASSIGNOR) by:

	Matsushita Elect	ric Works, Ltd	•
of 1048 O	aza-Kadoma, Kadoma	-shi, Osaka 571	8686, Japan
sells, assigns and transfers to entitled	-		undersigned ASSIGNOR hereby the and interest to the invention
	~		
for which application for Le otherwise indicated below:	tters Patent of the United	States was execute	ed on even date herewith unless
filed on _	Nov. 22, 2000	, Serial No.	09/717,385
and all Letters Patent of the	United States to be obtain	ned therefor on said	application or any continuation,

division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent 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, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has(have) affixed his/her/their signature(s).

J. Hoyashi	Takatoshi HAYASHI	April 4, 2001
(SIGNATURE) / Ft. Nakhati	(TYPE NAME) Atsushi NAKAHATA	(DATE) April 4, 2001
(SIGNATURE)	(TYPE NAME) Takuji YAMASHITA	(DATE) April 4, 2001
H: detoski Talseyana	(TYPE NAME) Hidetoshi TAKEYAMA	(DATE) April 4, 2001
(SIGNATURE)	(TYPE NAME) . Koji SAGAWA	(DATE) April 4, 2001
(SIGNÁTURE) Tyunnda	(TYPE NAME) Tetsuya YAMADA	(DATE) April 4, 2001
(SIGNATURE)	(TYPE NAME) Tomohiro TAGUCHI	(DATE) April 4, 2001
(SIGNATURE)	(TYPE NAME) Hisao YABU	(DATE) April 4, 2001
(MGNATURE)	(TYPE NAME)	(DATE)

NO LEGALIZATION REQUIRED

RECORDED: 04/25/2001

PATENT REEL: 011747 FRAME: 0052