033216M023

101194576



RECORDATION COVER SHEET PATENTS

To the Honorable Commissioner of Patents and Trademarks:

Please record the attached original documents or copies thereof.

1. Name(s) of conveying party(ies):

Atsushi KOMATSU, Akihiko NAMBA, Masayuki OKANO, Yosihiro TOMITA, and Osamu KAWASAKI

2. Name(s) and Address(es) of receiving party(ies):

10-26-99

Matsushita Electric Industrial Co., Ltd. 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 JAPAN

3. Nature of conveyance: Assignment Execution Date: October 25, 1999

4A. Patent Application No.(s):

Application execution date: October 25, 1999

4B. Patent No.(s):

09/427,026

11/02/1999\WWYESan 80900000 \$99437066arty to whom correspondence regarding this document should be mailed:

03 Ft:581

Smith, Gambrell & Russell, LP
Beveridge, DeGrandi, Weilacher & Young
Intellectual Property Group
1850 M Street N.W. (Suite 800)
Washington, DC 20036

202 659-2811

6. Total number of applications and patents involved : one

7. Total fee: \$40.00.

(Enclosed. Please charge any deficiency or refund any excess to counsel's deposit account.)

8. Deposit account no.: 02-4300

١.

DO NOT USE THIS SPACE

9. <u>Statement and Signature:</u> 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.

Name of Person Signing: Michael A. Makuch, Reg. No. 32,263

Date. October 20, 1999

PATENT

REEL: 010357 FRAME: 0769

BDWY Form ASN-1 Inventor(s)-to-Assignee

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title)			
	ENT RIGHTS referred to in this agreement are: a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment. U.S. patent application Serial No, filed		
	a U.S. patent application based on PCT International Application No filed on (date) (U.S. patent application Serial No, if known).		
the patents a The PAT (check one)	□ U.S. patent No, issued ENT RIGHTS also include all divisions, reissues, continuations and extensions of and patent applications identified above. ENT RIGHTS assigned under this agreement are: ▼ U.S. patent rights only. □ Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention. EIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose ppear on page 2 of this Assignment and any Supplemental Sheet(s).		
The ASSI	GNEE referred to in this agreement is: signee) Matsushita Electric Industrial Co., Ltd. 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 JAPAN		
The ASSIGN			
and valuable rights to the the full a the entire the right the right	SIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good a consideration, receipt of which is acknowledged, hereby assign(s) the following ASSIGNEE, its successors and assigns: and exclusive right to the invention; are right, title and interest in and to the PATENT RIGHTS; to sue and recover for any past infringement; and, to claim priority under 35 USC 119, 35 USC 120, or any other applicable as, based on any earlier patent applications for this invention.		

PATENT REEL: 010357 FRAME: 0770

THIS IS PAGE 2 OF AN ASSIGNME ASSIGNEE: Matsushita Electr INVENTION TITLE: INK-JE	ic Industrial Co., Ltd.	то .
As to all U.S. patent application hereby authorize(s) and request(s) tetters Patent to the ASSIGNEE as sole use and enjoyment of said ASS	the Commissioner of Patents a the assignee of the entire righ	nd Trademarks to issue all t, title and interest, for the
Further, the ASSIGNOR(S) agreeresentatives, any facts known to in any legal proceedings, sign all law substitute, renewal, reexamination papers to cause any and all Letters oaths and generally do everything resuccessors and assigns, to obtain a	wful papers, execute all division and reissue applications, execute and to said AS recessary or desirable to aid sa	said invention, and testify mal, continuation, ute all necessary assignment SSIGNEE, make all rightful aid ASSIGNEE, its
The ASSIGNORS authorize at this application to check any appropin this document after it has been expenses.	executed.	
Atsushi KOMATSU	Otouchi Komatou Signature	10/25/1999
Name of sole or first inventor	Signature	Date
Akihiko NAMBA	akihiho hamba	10/25/1999
Name of second inventor, if any	Signature	Date
Masayuki OKANO	Orsayaki Opana	10/25/1999
Name of third inventor, if any	Signature	Date
Yosihiro TOMITA	Foshita Somita	10/25/1999
Name of fourth inventor, if any	Signature	Date
Osamu KAWASAKI	Carun Kawasaki,	10/25/1999
Name of fifth inventor, if any	Signature	Date
Name of sixth inventor, if any	Signature	Date

Signature

Signature

Signature

• 1987, 1992 Beverldge, DeGrandi, Weilacher & Young

Name of seventh inventor, if any

Name of eighth inventor, if any

Name of ninth inventor, if any

PATENT REEL: 010357 FRAME: 0771

Date

Date

Date