

07-27-1998

FORM PTO-1596
1-31-92



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

DOCKET NO.: 041-2023

100776540

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy them:

MRD 7-13-98

10511 U.S. PAT. & TM. OFF. 07/13/98

<p>1. Name of conveying party(ies): Osamu KATAYAMA Takamasa OYAMA Chuichi KIKUCHI Tomoko FUJITA</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): Name: <u>Matsushita Electric Industrial Co., Ltd.</u></p> <p>Internal Address:</p> <p>Street Address: <u>1006, Oaza Kadoma, Kadoma-shi</u></p> <p>City: <u>Osaka</u> State/Country: <u>JAPAN</u> ZIP: <u>571-0050</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: <u>06 July 1998</u></p>	

4. Application number(s) or patent number(s):
If the document is being filed together with a new application, the execution date of the application is: 06 July 1998

A. Patent Application No(s).	B. Patent No(s).
------------------------------	------------------

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>LOWE HAUPTMAN GOPSTEIN GILMAN & BERNER</u></p> <p>Internal Address:</p> <p>Street Address: <u>99 Canal Center Plaza, Suite 420</u></p> <p>City: <u>Alexandria</u> State: <u>VA</u> ZIP: <u>22314</u></p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41)..... \$<u>40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>07-1337</u></p>
--	---

DO NOT USE THIS SPACE

9. 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.

Israel Gopstein, Reg. No. 27,333 13 July 1998
Name and Registration No. of Person Signing Signature Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

ASSIGNMENT

In consideration of the receipt of good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) <u>Osamu KATAYAMA</u>	(5) <u>Yasuvo SHIRASAKI</u>
(2) <u>Takamasa OYAMA</u>	(6) _____
(3) <u>Chuichi KIKUCHI</u>	(7) _____
(4) <u>Tomoko FUJITA</u>	(8) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-0050 Japan

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

RECORDING MEDIUM OF CHARACTER DATA OF FULL TEXT AND CHARACTER
STRING COLLATING APPARATUS

- (a) for which an application for United States Letters Patent was filed on _____, and identified by United States Serial No. _____; or
- (b) for which an application for United States Letters Patent was executed on July 6, 1998 ,

and the undersigned hereby authorize and request the United States Commissioner of Patent and Trademarks to issue any and all United States Letters Patents which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated beside our signatures:

<u>INVENTORS</u>	<u>DATE SIGNED</u>
1) <u>Osamu Katayama</u> Name: <u>Osamu Katayama</u>	<u>July 6, 1998</u>
2) <u>Takamasa Oyama</u> Name: <u>Takamasa Oyama</u>	<u>July 6, 1998</u>
3) <u>Chuichi Kikuchi</u> Name: <u>Chuichi Kikuchi</u>	<u>July 6, 1998</u>
4) <u>Tomoko Fujita</u> Name: <u>Tomoko Fujita</u>	<u>July 6, 1998</u>
5) <u>Yasuvo Shirasaki</u> Name: <u>Yasuvo Shirasaki</u>	<u>July 6, 1998</u>
6) _____ Name: _____	_____
7) _____ Name: _____	_____
8) _____	_____

PATENT