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rd the attached original documents

To the Honorable Commissioner of Pa or copy thereof.

1. Name of conveying party(ies):

- (1) HIROYOSHI SHOJI
- (2) TAKAYUKI YAMAGUCHI
- (3) JUNICHI AZUMI
- (4) YUKITO SATO

attached? □ Yes ■ No

Assignment

□ Other

3. Nature of Conveyance:

□ Security Agreement

(5) MORIMASA KAMINISHI

Additional name(s) of conveying party(ie

100914757

2. Name and address of receiving party(ies):

Name:

- (1) RICOH COMPANY, LTD.
- (2) RICOH ELEMEX CORPORATION
- (3) RICOH SEIKI COMPANY, LTD.

ddress:

- (1)3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143, Japan
- (2)28-24, Izumi 2-chome, Higashi-ku Nagoya-shi, Aichi 460, Japan
- (3)1-9-17, Omorinishi, Ohta-ku, Tokyo 143, Japan

Execution Date: (1,3, 5) December (2 & 4) December 19, 1998

Merger

Change of Na?

Additional name(s) & 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:

DEC 0 4

THE TELEVISION OF THE PERSON O

A. Patent Application No.(s) 09/013,900

B. Patent No. (s)

Additional numbers attached? □ Yes

Name and address of party to whom correspondence concerning document should be mailed:

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. Attorneys at Law Fourth Floor 1755 Jefferson Davis Highway Arlington, Virginia 22202

Total number of applications and patents involved:

Total fee (37 CFR 3.41):\$40.00

Enclosed

- □ Authorized to be charged to deposit account
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12/08/1998 JSHAMAZZ 00000165 09013900

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> **PATENT** REEL: 9620 FRAME: 0953

	WHEREAS, I (WE) HIROYOSHI SHOJI, TAKAYUKI YAMAGUCHI,
	JUNICHI AZUMI, YUKITO SATO and MORIMASA KAMINISHI
RT NAMES RESIDENCE RESSES OF INVENTORS:	
	of Miyagi, Japan,
	Miyagi, Japan,
	Miyagi, Japan,
	Miyagi, Japan and
	Miyagi, Japan
	, respectively,
ERT TITLE NVENTION:	have invented certain new and useful improvements in: THIN-FILM MICROSTRUCTURE SENSOR HAVING A TEMPERATURE-SENSITIVE RESISTOR TO PROVIDE A LARGE TCR WITH LITTLE VARIATION
RT DATE IN- TORS SIGNED LARATION:	for which an application for Letters Patent was executed on December 18 and 19, 199
	(Application No09/013,900, filedJanuary 27,1998), and
RT NAME ADDRESS OF IPANY OR ER ASSIGNEE:	WHEREAS, as per attached
ER ASSIGNEE.	(hereinafter referred to as "ASSIGNEE") having a place of business at:
	as per attached ,

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 in all foreign countries and the entire right, title and interest in and to any and all Letters 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

PATENT REEL: 9620 FRAME: 0954 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: December 18, 1997	Hiroyoshi Shoji (Signature of Inventor) Shoji WIROYOSHI SHOJI
Date: December 19, 1997	Jakaynki Yamaznchi
	(Signature of Inventor) TAKAYUKI YAMAGUCHI Omichi (Signature of Inventor) JUNICHI AZUMI
	Junichi Azumi Sato (Signature of Inventor) YUKITO SATO
Date: December 18 1997	(Signature of Inventor) YUKITO SATO MORIMASA KAMINISHI
Date:	(Signature of Inventor) MORIMASA KAMINISH]
	(Signature of Inventor)
Date:	(Signature of Inventor)
Date:	(Signature of Inventor)

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

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

Attest:

autil Jet

Hirographi Morata
PATENT

REEL: 9620 FRAME: 0955

Page 3 of 3

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RECORDED: 12/04/1998

PATENT REEL: 9620 FRAME: 0956