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1. Name of conveying party(ies): 3.4.03	Name and address of receiving party(ies):
Miwa HASEGAWA Tomohiro YAMAMOTO Motokazu WATANABE Takahiro NAKAMINAMI Shin IKEDA Toshihiko YOSHIOKA Shiro NANKAI	Matsushita Electric Industrial Co., Ltd. 1006, Oaza-Kadoma, Kadoma-shi, Osaka 571-8501 JAPAN
3. Nature of conveyance:	
[X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other:	
Execution Date:	
Miwa HASEGAWA Tomohiro YAMAMOTO Motokazu WATANABE Takahiro NAKAMINAMI Shin IKEDA Toshihiko YOSHIOKA Shiro NANKAI February 16, 2003 February 10, 2003 February 13, 2003 February 13, 2003 February 17, 2003 February 17, 2003	
4. Application number(s) or patent number(s): 12363580 If this document is being filed together with a new application, the execution dat 2003, February 13, 2003, February 17, 2003 and February 17, 2003, respec	e of the application is: February 16, 2003, February 13, 2003, February 10, 2003, February 17, tively,
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Additional num	bers attached? [] Yes [X] No
 Name and address of party to whom correspondence document should be mailed: 	6. Total number of applications and patents involved: [1]
William W. Schwarze AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P.	7. Total fee (37 C.F.R. 3.41) Cal. <u>1</u> x \$40.00 =\$ <u>40.00</u>
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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
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OMB No. 0651-0011 (exp. 4/94)	Total number of pages including cover sheet, attachments and document: [3]

PATENT REEL: 014144 FRAME: 0685

JOINT

ASSIGNMENT

WHEREAS, we, Miwa HASEGAWA, Tomoniro YAMAMOTO, Motokazu WATANABE,
Takahiro NAKAMINAMI, Shin IKEDA, Toshihiko YOSHIOKA and Shiro NANKAI
respectively citizens of <u>Japan</u> , with respective post office addresses of <u>Room 402</u> , <u>Sunlife-koto</u>
2-20-1, Koto, Kamigoricho, Ako-gun, Hyogo 678-1205 Japan; 45-1-209, Sakuragaokacho,
Hirakata-shi, Osaka 573-0018 Japan; 1-12-31-102, Tachibanacho, Toyonaka-shi, Osaka
560-0025 Japan; 325-503, Sashimonocho, Nakagyo-ku, Kyoto-shi, Kyoto 604-0903 Japan;
2-5-16-205, Fujigao, Katano-shi, Osaka 576-0022 Japan; 15-15-307, Takatsukacho,
Hirakata-shi, Osaka 573-0035 Japan and 4-50-12, Nasuzukuri, Hirakata-shi, Osaka
573-0071 Japan,
hereinafter generally referred to as "ASSIGNORS," have invented a certain new and useful BIOSENSOR
for which we have executed a United States patent application, Application No, filed, 20, and

ASSIGNORS authorize ASSIGNEE or ASSIGNEE's representative to insert the Application Number and Filing date of this application if they are unknown at the time of execution of this Assignment.

WHEREAS, <u>Matsushita Electric Industrial Co.</u>, <u>Ltd.</u>, a <u>Japanese</u> corporation having a place of business at <u>1006</u>, <u>Oaza-Kadoma</u>, <u>Kadoma-shi</u>, <u>Osaka 571-8501 Japan</u>, hereinafter generally referred to as "ASSIGNEE", is desirous of acquiring said invention and said patent application.

NOW, THEREFORE, in consideration of the sum of One Dollar and other good and valuable executed consideration, the full receipt and sufficiency of all of which are hereby acknowledged and intending to be legally bound hereby, we, the undersigned ASSIGNORS, hereby agree to sell, assign, transfer and convey and by these presents do sell, assign, transfer and convey unto the above-named ASSIGNEE, the whole and entire right, title and interest

in and to said invention as described in the above patent application, for the territory of the United States and its possessions and territories and all foreign countries;

in and to the above patent application and any and all related United States and foreign patent applications disclosing said invention, including provisionals, non-provisionals, divisions and continuations thereof, along with all rights of

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priority created by said patent application under any treaty relating thereto; and

in and to all United States and foreign patents which may be granted on any and all of said patent applications, including extensions, reissues and reexamination certificates thereof;

said invention, application(s) and patent(s) to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the patent(s) hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

Teb. 16, 2003	Miwa HASEGAWA	_ (Seal)
(Date) (Date)	Tomohiro YAMAMOTO	_ (Seal)
Feburuary 10, 2003 (Date)	Motokazu WATANABE	_ (Seal)
Feb. 17, 2003 (Date)	Takahiro NAKAMINAMI	_ (Seal)
Feb. 13, 2003	Shir keda Shin IKEDA	_ (Seal)
Feb 17, 2003 (Date)	Totalika Yoshioka Toshihiko YOSHIOKA	_ (Seal)
(Date)	Shire Mankai	(Seal)