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Name	Execution Date		
	Month	Day	Year
Name (line 1) Yasuhiro GOTOH	06	27	2002
Name (line 2) 5-1-710, Yanagimachi, Kadoma-shi, Osaka 571-0041 Japan			
<b>Second Party</b> Name (line 1) Seiji NISHIWAKI	06	27	2002
Name (line 2) 7-12, Kamokogahara 2-chome, Higashinada-ku, Kobe-shi, Hyogo 658-0064 Japan			

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Name (line 2)

Address (line 1) 1006, Oaza Kadoma, Kadoma-shi,

Address (line 2)

Address (line 3) Osaka  Japan  571-8501

City State/Country Zip Code

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**Domestic Representative Name and Address**

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Name Michael K. Kelly

Address (line 1) Snell & Wilmer, LLP

Address (line 2) One Arizona Center

Address (line 3) 400 E. Van Buren Street

Address (line 4) Phoenix, AZ 85004-2202

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**PATENT**

**REEL: 013192 FRAME: 0355**

08/15/2002 0651-0027 00000034 10172084

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02 FC:561

**Correspondent Name and Address**

Area Code and Telephone Number

602-382-6291

Name Michael K. Kelly

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Address (line 2) One Arizona Center

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# 4

**Application Number(s) or Patent Number(s)**

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**Patent Application Number(s)**

**Patent Number(s)**

10/172,084

If this document is being filed together with a new Patent Application, enter the date the patent application was

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT  
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**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00

Method of Payment:  
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**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. Charges to deposit account are authorized, as indicated herein.

Michael K. Kelly, Reg. No. 32,848  
Name of Person Signing

Michael K. Kelly  
Signature

8/8/2002  
Date

## ASSIGNMENT

WHEREAS, The ASSIGNOR, comprising the following named inventor(s):

1. Yasuhiro GOTOH; 5-1-710, Yanagimachi, Kadoma-shi,  
Osaka 571-0041 Japan
2. Seiji NISHIWAKI; 7-12, Kamokogahara 2-chome,  
Higashinada-ku, Kobe-shi,  
Hyogo 658-0064 Japan

have invented and own a certain invention entitled:

### APPARATUS AND METHOD FOR DETERMINING EXISTENCE RANGE OF FOREIGN SUBSTANCE

for which application for Letters Patent of the United States was filed as U.S. Serial No.  
10/172,084 on 6/13/2002 ; and

WHEREAS, the ASSIGNEE(S):

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
1006, Oaza Kadoma, Kadoma-shi,  
Osaka 571-8501 Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNORS of the sum corresponding to One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS hereby sell, assign and transfer to ASSIGNEES the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNORS hereby covenant that no assignment sale agreement charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale;

ASSIGNORS further covenant that ASSIGNEES will, upon their request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEES or their legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seal

this 27th day of June, 2002.

1. Yasuhiro Gotoh  
(Yasuhiro GOTOH)

2. Seiji Nishiwaki  
(Seiji NISHIWAKI)