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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):

Shuzo SANO, Mikio IZUMI

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: September 2, 1998

2. Name and address of receiving party(ies)

Name: Hitachi Medical Corporation

Internal Address: _____

Street Address: 1-14, Uchikanda-1-chome,Chiyoda-ku, Tokyo, Japan

City: _____ State: _____ ZIP: _____

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: September 2, 1998

A. Patent Application No.(s)

09/154697

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP

Internal Address: _____

Street Address: 1300 NORTH SEVENTEENTH STREET
SUITE 1800City: ARLINGTON State: VA ZIP: 222096. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

01-2135

(Attach duplicate copy of this page if paying by deposit account)

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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.

Melvin KrausName of Person Signing 22,466

Signature

September 17, 1998

Date

Total number of pages including cover sheet, attachments, and document: 2

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar(\$1.00) or the equivalent thereof, and other good and valuable consideration paid to **Shuzo SANO and Mikio IZUMI,**

citizens of Japan by HITACHI MEDICAL CORPORATION,
a corporation organized under the laws of Japan,
located at 1-14, Uchikanda-1-chome, Chiyoda-ku, Tokyo, Japan,

receipt of which is hereby acknowledged, we, the said Shuzo SANO and Mikio IZUMI,

do hereby sell and assign to said HITACHI MEDICAL CORPORATION,

its successors and assigns, all our right, title and interest, in and for the United States of America, in and to "AN ULTRASONIC PROBE HAVING AN ACOUSTIC MATCHING LAYER IN WHICH THE ACOUSTIC IMPEDANCE IS VARIED CONTINUOUSLY IN THE THICKNESS DIRECTION, A METHOD OF MANUFACTURING THEREOF, AND AN ULTRASONIC DIAGNOSTIC APPARATUS USING THE ULTRASONIC PROBE" invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith,

and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said **HITACHI MEDICAL CORPORATION,**

~~xxx~~ its Successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said **HITACHI MEDICAL CORPORATION**.

Signed on the dates indicated aside our signatures:

INVENTORS (発明者フルネームサイン)		Date Signed (署名日)	Witnesses (立会人サイン)
1)	Shuzo Sano (Shuzo SANO)	September 2, 1998	China Hoshiza
2)	Mikio Izumi (Mikio IZUMI)	September 2, 1998	China Hoshiza
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