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10-19-2004



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Docket No.: XA-10150

U.S. DEPARTMENT OF COMMERCE  
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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Atsushi ISOBE; Akihisa TERANO;  
Kengo ASAI; Hiroyuki UCHIYAMA;  
Hisanori MATSUMOTO**

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: **July 21, 22, 23, 22, and 23, 2004**

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

Name: **Hitachi Media Electronics Co., Ltd.**

Address: **1 Shinjp Aza-Kitano**

**Mizusawa-shi**

City: **Iwate-ken**

State/Prov.: \_\_\_\_\_

Country: **Japan**

ZIP: \_\_\_\_\_

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

Patent Application No.

Filing date

B. Patent No.(s)

**10/902,573**

**July 30, 2004**

**10/14/2004 HLE333 00000044 10902573**

**02 FC:8021**

**40.00 0P**

Additional numbers

☐ Yes ☒ No

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

Name: **Mitchell W. Shapiro**

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City: **McLean**

State/Prov.: **VA**

Country: **US**

ZIP: **22102-3833**

6. Total number of applications and patents involved:

**1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

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**50-1165**

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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.*

**Mitchell W. Shapiro**

Name of Person Signing

Signature

**October 13, 2004**

Date

**2**

Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to:  
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**PATENT**  
**REEL: 015884 FRAME: 0612**

**ASSIGNMENT**  
( 譲 渡 証 )

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi Media Electronics Co., Ltd a corporation organized under the laws of Japan, located at 1 Shinjp Aza-Kitano, Mizusawa-shi, Iwate-ken, Japan receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Media Electronics Co., Ltd its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

**RF-MEMS SWITCH AND ITS FABRICATION METHOD**

invented by me (if only one is named below) or us (if plural inventors are named below) 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 Media Electronics Co., Ltd 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 me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the 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 I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi Media Electronics Co., Ltd

Signed on the date(s) indicated aside our signatures:

INVENTOR(S)  
(発明者フルネームサイン)

Date Signed  
(署名日)

1) <u>Atsushi Irobe</u>	<u>7/21/2004</u>
2) <u>Akihisa Terano</u>	<u>7/22/2004</u>
3) <u>Kengo Asai</u>	<u>7/23/2004</u>
4) <u>Hiroynuki Uchiyama</u>	<u>7/22/2004</u>
5) <u>Kisamori Matsumoto</u>	<u>7/23/2004</u>
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____