



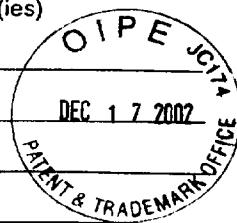
To the Honorable Commissioner of f

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ched original documents or copy thereof.

1. Name of conveying party(ies):  
Tadashi SANO; Ryo MIYAKE; Akira  
KOIDE; Norihide SAHO; Akiomi  
KONO; Takeshi HARADA  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: Hitachi, Ltd.  
Internal Address: \_\_\_\_\_  
Street Address: 6, Kanda Surugadai  
4-chome, Chiyoda-ku,  
City: Tokyo, Japan State: XX ZIP: XX  
Additional name(s) & address(es) attached?  Yes  No



3. Nature of conveyance: 12/17/02  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: Oct. 30, Nov. 1, 12, 2002

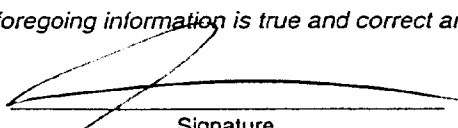
4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_  
A. Patent Application No.(s)  
US Serial No. 10/283,215,  
filed October 30, 2002  
Additional numbers attached?  Yes  No

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  
Internal Address: \_\_\_\_\_  
Street Address: 1300 North Seventeenth St.  
Suite 1800  
City: Arlington State: VA ZIP: 22209

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41).....\$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account  
(Excess Fees)  
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.*  
Alan E. Schiavelli  12-17-02  
Name of Person Signing Signature Date  
Reg. No. 32,087 Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

12/18/2002 5SESHE1 00000006 10283215  
02 FC:8021 40.00 DP

# 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, LTD., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

REACTION APPARATUS AND MIXING SYSTEM

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, 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, LTD.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Sadaaki Iano</u>	<u>10/30/02</u>
2) <u>Ryo Mizuki</u>	<u>10/30/02</u>
3) <u>Akira Koide</u>	<u>10/30/02</u>
4) <u>Naohide Ieko</u>	<u>11/12/02</u>
5) <u>Akiomi Kobura</u>	<u>11/01/02</u>
6) <u>Takeshi Harada</u>	<u>10/30/02</u>
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____