

12-08-2006

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Hirofumi WATANABE Kazuhiro KODATE	THE JAPAN STEEL WORKS, LTD. 1-2, Yuraku-Cho, 1-Chome, Chiyoda-ku, Tokyo 100-8456, Japan	
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4. Application number(s) or patent number(s):	Transfer and the second	
If this document is being filed together with a new applica	tion, the execution date of the application is:	
A. Patent Application No.(s) 11/519,868	B. Patent No.(s) unknown	
Additional numbers	attached? Yes No	
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:	
concerning document should be mailed:	1	
SUGHRUE MION, PLLC	7. Total fee (37 CFR 3.41): \$40.00	
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ASSIGNMENT

Whereas, I/we Hirofumi WATANABE and Kazuhiro KODATE both of Hiroshima, Japan

hereinafter called assignor(s), have invented certain improvements in

HEAT EXCHANGING MECHANISM OF CYLINDER OF

EXTRUDER AND HEAT EXCHANGING METHOD

and executed an application for Letters Patent of the United States of America therefor on

November 22, 2006

; and

Whereas,

RECORDED: 12/04/2006

THE JAPAN STEEL WORKS, LTD. of 1-2, Yuraku-Cho, 1-Chome, Chiyoda-Ku, Tokyo 100-8456, Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number 11/519,868 , filed September 13, 2006) the filing date and application number of said application when known.

Date: November 22, 2006	s/ Hirofuni cratanabe
Date: November 22. 2006	si Kazuhiro Radate
Date:	s/
Date:	s/
Date:	s/

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

PATENT REEL: 018665 FRAME: 0042