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R SHEET

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1. Name of conveying party(ies):  
Hiroshi HASEGAWA  
Masahide UTSUNOMIYA  
Uremu HOSONO  
Yoichi HIROSE  
  
04/26/02  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
SHOWA DENKO K.K.  
13-9, Shibadaimon 1-chome, Minato-ku,  
Tokyo, Japan

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: March 26, 2002

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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: March 26, 2002  
A. Patent Application No.(s)

10/111634

B. Patent No.(s)  
  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
SUGHRUE MION, PLLC  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3213

6. Total number of applications and patents involved:  
1

7. Total fee (37 CFR 3.41): \$40.00  
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April 26, 2002  
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# ASSIGNMENT

(1) Hiroshi Hasegawa; (2) Masahide Utsunomiya;

Whereas, I/we, (3) Uremu Hosono; and (4) Yoichi Hirose of (1)-(3): c/o SHOWA DENKO K.K., CHICHIBU PLANT, 1505, Oaza Shimokagemori, Chichibu-shi, Saitama-ken, Japan; and (4): 2-14, Kumagi-cho, Chichibu-shi, Saitama-ken, Japan hereinafter called assignor(s), have invented certain improvements in

CENTRIFUGAL CASTING METHOD, CENTRIFUGAL CASTING APPARATUS, AND CAST ALLOY PRODUCED BY SAME and executed an application for Letters Patent of the United States of America therefor on

March 26, 2002 ; and

Whereas, SHOWA DENKO K.K.

13-9, Shibadaimon 1-chome, Minato-ku, Tokyo, 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 \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

Date: March 26, 2002

s/ Hiroshi Hasegawa  
Hiroshi Hasegawa

Date: March 26, 2002

s/ Masahide Utsunomiya  
Masahide Utsunomiya

Date: March 26, 2002

s/ Uremu Hosono  
Uremu Hosono

Date: March 26, 2002

s/ Yoichi Hirose  
Yoichi Hirose

Date:

s/ \_\_\_\_\_

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