

Form PTO-1595
1-31-92

Q51162

07-28-1998

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



100778207

To the Honorable Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Shoei KUROSAKA, Hiroshi INAGAKI, Shigeki KAWASHIMA
and Junsuke TOMIOKA

Additional name(s) of conveying party(ies) attached?
☐ yes ☒ no

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

Name:
KOMATSU ELECTRONIC METALS CO., LTD.
Internal Address:
2612, Shinomiya, Hiratsuka-shi, Kanagawa 254 Japan
Street Address:
Same as above

City State Zip

Additional name(s) & address(es) attached?
☐ yes ☒ no

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: July 17, 1998

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:
July 17, 1998

A. Patent Application No.(s)

B. Patent No(s).

09/121858

Additional numbers attached? ☐ Yes ☒ No

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

SUGHRUE, MION, ZINN, MACPEAK & SEAS
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3202

6. Total number of applications and patents involved:
One (1)

7. Total Fee (37 CFR 3.41): \$ 40.00
☒ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.

☐ Authorized to be charged to Deposit Account

8. Deposit Account No.

(Attach dupl. copy of this page if paying by Deposit Account)

DO NOT WRITE IN THIS SPACE

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.

Name Darryl Mexic Reg. No. 28,063

July 24, 1998
Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

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

PATENT
REEL: 9337 FRAME: 0681

Assignment

Whereas, I/We, Shoel KUROSAKA, Hiroshi INAGAKI, Shigeki ~~X~~
KAWASHIMA and Junsuke TOMIOKA all of Kanagawa, Japan

hereinafter called assignor(s), have invented certain improvements in
SINGLE CRYSTAL PULLING METHOD AND
SINGLE CRYSTAL HOLDING DEVICE
and executed an application for Letters Patent of the United States of America therefor on
July 17, 1998; and

Whereas, KOMATSU ELECTRONIC METALS CO., LTD. of 2612,
Shinomiya, Hiratsuka-shi, Kanagawa 254 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 Commissioner of Patents 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 attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
number _____, filed _____) the filing date and application
number of said application when known.

Date: July 17, 1998/ Shoel KurosaKa
Shoel KUROSAKA

Date: July 17, 1998/ Hiroshi Inagaki
Hiroshi INAGAKI

Date: July 17, 1998/ Shigeki Kawashima
Shigeki KAWASHIMA

Date: July 17, 1998/ Junsuke TomioKa
Junsuke TOMIOKA

Date: s/ _____

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