## 502306402 04/10/2013

### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

### **CONVEYING PARTY DATA**

| Name                | Execution Date |
|---------------------|----------------|
| Yoshimasa Kobayashi | 04/03/2013     |

### RECEIVING PARTY DATA

| Name:             | Murata Machinery, Ltd.         |
|-------------------|--------------------------------|
| Street Address:   | 3, Minami Ochiai-cho           |
| Internal Address: | Kisshoin, Minami-ku, Kyoto-shi |
| City:             | Kyoto                          |
| State/Country:    | JAPAN                          |
| Postal Code:      | 601-8326                       |

### PROPERTY NUMBERS Total: 1

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 13878740 |

### CORRESPONDENCE DATA

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|-------------------------|------------------|
| NAME OF SUBMITTER:      | Payam Moradian   |
| Signature:              | /Payam Moradian/ |
| Date:                   | 04/10/2013       |

Total Attachments: 2

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PATENT REEL: 030191 FRAME: 0507 OF \$40.00 138/8/40

# **ASSIGNMENT**

|   | Application No  | Filed  |       |
|---|---|--|-------|
| Insert Name(s)                              | ***(  | Given Name FAMILY NAME (ALL CAPS))***  |       |
| of Inventor(s)                              | WHEREAS,  | Yoshimasa KOBAYASHI  |       |
|   |   |  |       |
|   |   |  | -     |
|   |   |  |       |
| improvements in                             | •   | ated as the undersigned) has (have) invented certain new and usefu   | 1     |
| Insert Title<br>of Invention                | RECOVERY METHOL   | D FOR LOGISTICS SYSTEM   |       |
|   |   | cation for Letters Patent of the United States of America has been ersigned (except in the case of a provisional application).   |       |
| Insert Date<br>of Signing of<br>Application | on  |  | ; and |
| Insert Name                                 |   |  |       |
| of Assignee                                 | WHEREAS,  | Murata Machinery, Ltd.   |       |
| Insert Address<br>of Assignee               | of <u>3. Minami Ochiai</u> -  | cho, Kisshoin, Minami-ku, Kyoto-shi, Kyoto 6018326 Japan   |       |
|   | Assignee) is desiro   | s, legal representatives and assigns (hereinafter designated as the ous of acquiring the entire right, title and interest in and to said d to any Letters Patent(s) that may be granted therefor in the United and   |       |
| CHECK BOX<br>IF APPROPRIATE                 | in any foreign co   | ountries.  |       |
|   | undersigned in han<br>and valuable considered<br>and by these present<br>exclusive right to<br>dependencies and presented in the second<br>dependencies and dependencies | G, in consideration of the sum of Ten Dollars (\$10.00) to the depaid, the receipt of which is hereby acknowledged, and other good deration, the undersigned has (have) sold, assigned and transferred, ents does sell, assign and transfer unto said Assignee the full and the said invention in the United States of America, its territories, possessions and the entire right, title and interest in and to any and all which may be granted therefor in the United States of America, its |       |

PATENT REEL: 030191 FRAME: 0508 territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) ADLI LAW GROUP P.C., Customer Number 95674 the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

| Date_ | Apr. 3. 2013 | Name of Inventor | Yoshimasa KOBAYASHI<br>(signature) | Joshinasa          | Kobayashi |
|-------|--------------|------------------|------------------------------------|--------------------|-----------|
| Date_ |              | Name of Inventor | (signature)                        | , at <del>au</del> | ····      |
| Date_ |              | Name of Inventor | (signature)                        |                    |           |
| Date_ |              | Name of Inventor | (signature)                        |                    |           |

PATENT REEL: 030191 FRAME: 0509

RECORDED: 04/10/2013