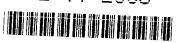
Atty Docket No.: 237183US2X pmh

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EPARTMENT OF COMMERCE Patent and Trademark Office

| To the Honorable Commissioner of Patents and Trademarks. Plea | 102620441 se record the attached original documents or copy thereof. |
|--|--|
| 1. Name of conveying party(ies): | 2. Name and address of receiving party(ies): |
| Hiroshi NARAZAKI, Eiji TAKAHASHI, Takanari SHIRASAKA and Hideki KINUGAWA | Name: 1). Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.) 2). KOBELCO CONSTRUCTION MACHINERY CO., LTD. |
| Additional name(s) of conveying party(ies) attached? □Yes ■No 3. Nature of Conveyance: ■ Assignment □ Merger □ Security Agreement □ Change of Name □ Other ■ Execution Date: April 24, 2003 | Address: 1). 10-26, Wakinohama-cho 2-chome, Chuo-ku, Kobe-shi, Hyogo 651-8585 Japan 2). 12-4, Gion 3-chome, Asaminami-ku, Hiroshima-shi, Hiroshima 731-0138 Japan Additional name(s) and address(es) attached? □Yes ■No |
| 4. Application number(s) or patent number(s): | |
| If this document is being filed together with a new application, the A. Patent Application No.(s) 10/425 660 | B. Patent No.(s) |
| Additional numbers att | ached? □Yes ■No |
| 5. Name and address of party to whom correspondence concerning document should be mailed: | 6. Total applications and patents involved: 1 |
| Customer Number 22850 | 7. Total fee (37 CFR 3.41): \$40.00 ■ Enclosed □ Authorized to be charged to deposit account |
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| 9. Statement and signature To the best of my knowledge and belief, the foregoing information of the original document. | 4 / |
| Marvin J. Spivak | A. Scafetta fr. Dec. 5, 2003 |
| V | Signature Date |
| Registration Number: 24,913 Joseph Total number of pages inclanding | A. Scafetta, Jr. |
| Total number of pages including ans | cover sheet. |
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| Mail documents to be recorded with required cover sheet informat Director of the United States Pat Mail Stop Assignment R Alexandria, Virg | ents and Trademark Office ecordation Services |

PATENT REEL: 014762 FRAME: 0675

10/425,660

ASSIGNMENT OF APPLICANT

WHEREAS I (WE) Hiroshi NARAZAKI, Eiji TAKAHASHI, Takanari SHIRASAKA of c/o Kobe Corporate Research Laboratories in Kobe Steel, Ltd.5-5, Takatsukadai 1-chome, Nishi-ku, Kobe-shi, Hyogo 651-2271 Japan, Hideki KINUGAWA of c/o KOBELCO CONSTRUCTION MACHINERY CO., LTD. 12-4, Gion 3-chome, Asaminami-ku, Hiroshima-shi, Hiroshima Japan respectively, have invented certain new and useful improvements in:

WIRELESS DATA COLLECTING SYSTEM, BASE STATION THEREOF, AND WIRELESS TERMINAL THEREOF

for which an application for Letters Patent was executed on April 24, 2003 (Application No. 10/425, 660 , filed April 30, 2003), and

WHEREAS, Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.) having a place of business at: 10-26, Wakinohama-cho 2-chome, Chuo-ku, Kobe-shi, Hyogo 651-8585 Japan, KOBELCO CONSTRUCTION MACHINERY CO.,LTD. having a place of business at:12-4, Gion 3-chome, Asaminami-ku, Hiroshima-shi, Hiroshima 731-0138 Japan (hereinafter referred to as "ASSIGNEE") is/are desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. of 1940 DUKE STREETALEXANDRIA, VIRGINIA 22314U.S.A. the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

PATENT REEL: 014762 FRAME: 0676

| Date | April 24, 2003 | Hiroshi NARAZAKI Leiji Jakakashi |
|-------------|----------------|---------------------------------------|
| | April 24, 2003 | Hiroshi NARAZAKI |
| Date | | Eiji TAKAHASHI |
| Date | April 24, 2003 | Takanari SHIRASAKA Takanari SHIRASAKA |
| Date | April 24, 2003 | Hideki Kinuga Wa Hideki KINUGAWA |
| Date | | |
| Date | · | |
| Date | | |
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