| ~ | ∇ | ٥ |
|---|----------|----|
| Y | "ZDA" | 40 |

(1/989547 IAPOSRec'd PCT 28 JAN 2008

٠

| Assi Dire P.O | 1 Stop:02 - 04gnment Recordation Servicesattraction Servicesactor of the U.S. Patentattraction Servicesand Trademark Officeattraction Services. Box 145010347andria, VA 22313-145010347 | Patent and Tradema |
|---------------------|---|--|
| | Please record the attached or | iginal document or copy thereof. |
| 1. | A. Name of conveying party: | 2. A. Name and address of receiving party: |
| - | Shogo FUJITA | FS TECHNICAL CORPORATION 22-15, TAKASAGO 1-CHOME |
| | B. Additional name(s) of conveying party(ies) attached? ☐ Yes 	☐ No | KATSUSHIKA-KU, TOKYO 125-00 JAPAN |
| 3. | A. Nature of conveyance: | B. Additional name(s) & address(es) attached? |
| | Assignment Merger | Yes 🛛 No |
| | Security Agreement Change of Name | |
| | Other | |
| | B. Execution Date: January 15, 2008 | |
| 4. | This document is being filed together with a new appl | ication. |
| | A. Patent Application No.(s) | B. Patent No.(s) |
| | Additional numbers a | I ttached? □ Yes ☑ No |
| | C. Title of Application: INJECTION NOZZLE AN | D PINNING METHOD USING THE SAME |
| 5. | Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved |
| | Name: James A. Oliff | 7. A. Total fee (37 CFR 3.41)\$ 40.00 |
| GFRE | EY1 00000030 11989547 | B. Enclosed (Check No. 201747_) |
| | 40.00 DP Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 | Credit any overpayment or charge any underpaym deposit account number 15-0461. |
| | 1 | |
| 9. | Statement and signature. To the best of my nowledge and belief, the foregoing info the original document. | rmation is true and correct and any attached copy is a true |
| | James A. Oliff Registration No. 27,075 | Date: January 28, 2008 |
| | Jesse O. Collier Registration No. 53,839 | |

PATENT REEL: 020447 FRAME: 0045

| | ASSIGNAPUSHEC'O PCI 20 JAN 2000 | | |
|---|--|--|--|
| | (1) <u>FUJITA, Shogo</u> (5) | | |
| Insert | | | |
| Name(s) of Inventor(s) | (3) (7) | | |
| | (4) (8) | | |
| | In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to | | |
| Insert Name of Assignee | (9) FS Technical Corporation | | |
| Insert Address of Assignee | (10) 22-15, Takasago 1-chome, Katsushika-ku, Tokyo 125-0054 Japan | | |
| Insert Identification such as Title, Case Number, or Foreign | (hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as (11) INJECTION NOZZLE AND PINNING METHOD USING THE SAME | | |
| Application Number | (Attorney Docket No. 134974) | | |
| | for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or | | |
| Insert Date of Signing of | (12) $1/15/2008$ | | |
| Application | | | |
| Alternative | (13) U.S. application Serial Number | | |
| Identification for filed applications | filed | | |
| | Name(s) of Inventor(s) Insert Name of Assignee Insert Address of Assignee Insert Identification such as Title, Case Number, or Foreign Application Number Insert Date of Signing of Application Alternative Identification for | | |

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that 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.

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

| Date _ | 1/15/2008 | Inventor Signature | Shogo | Fujita | (SEAL) |
|--------|-----------|--------------------|-------|--------|--------|
| Date | | Inventor Signature | | | (SEAL) |
| Date _ | | Inventor Signature | | | (SEAL) |
| Date _ | | Inventor Signature | | | (SEAL) |
| Date | | Inventor Signature | | | (SEAL) |
| Date _ | | Inventor Signature | | | (SEAL) |
| Date | | Inventor Signature | | | (SEAL) |
| Date _ | | Inventor Signature | | | (SEAL) |
| | | | | | |

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

| Date | Witness _ | |
|------|---------------|--|
| Date | Witness _ | |

PATENT REEL: 020447 FRAME: 0046

DECLARATION UNDER 35 USC §371(c)(4) FOR PCT APPLICATION FOR UNITED STATES PATENT

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below under my name;

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, namely the invention entitled: INJECTION NOZZLE AND PINNING METHOD USING THE SAME

described and claimed in international application number PCT/JP2006/315700 filed on August 2, 2006.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

Under Title 35, U.S. Code §119, the priority benefits of the following U.S. and/or foreign application(s) filed by me or my legal representatives or assigns within one year prior to my international application are hereby claimed:

Japanese Patent Application No. 2005-228459 filed on August 5, 2005.

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to my international application, or (b) before the filing date of the above-named foreign priority application(s):

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NUMBER 25944, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| 1 | Typewritten Fi of Sole or Firs | | Shogo | | FUJITA | |
|---|---|---------|-------------------|-----------------------------|---------------------------|--|
| 2 | Inventor's Sig | nature: | Given Name Sha | Middle Initial 90 FUJita | Family Name | |
| 3 | Date of Signat | ure: | 1 | / 15 / 20 | , 2008 | |
| | 5 | | Month | Day | Year | |
| | Residence: Kats Citizenship: Japanese | | shika-ku | Tokyo | Japan | |
| | | | City | State or Province | Country | |
| | Post Office Address: (Insert complete mailing address, including country) | | c/o D.G.P. 0 | Corporation | | |
| | | | . | igo 1-chome, Katsushika | -ku, Tokyo, 1250054 Japan | |

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE (Discard this page in a sole inventor application)

> PATENT REEL: 020447 FRAME: 0047

RECORDED: 01/28/2008