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Form **PTO-1595**
(03/01)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1. Anthony C. Bonora
- 2. Michael Krolak
- 3. Roger G. Hine

2. Name and address of receiving party(ies)

Name: Asyst Technologies, Inc.

Internal Address: _____

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address: 48761 Kato Road

1. April 27, 2005

2. April 27, 2005

Execution Date: 3. April 27, 2005

City: Fremont State: CA Zip: 94538

Additional name(s) & 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 execution date of the application is: _____

A. Patent Application No.(s) 11/064,880

B. Patent No.(s) _____

Additional numbers attached? Yes No

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

Name: Scott D. Sanford

Internal Address: O'Melveny & Myers LLP

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

Street Address: 275 Battery Street, 26th Floor

8. Deposit account number:

50-0639

City: San Francisco State: CA Zip: 94111-3305

05/05/2005 ELOOPER 0000036 500639 11064880

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(40.00 BA)

DO NOT USE THIS SPACE

9. Signature.

Scott D. Sanford, Reg. No. 51,170

Name of Person Signing

Scott D. Sanford
Signature

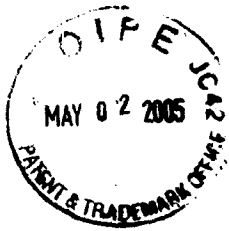
April 29, 2005

Date

Total number of pages including cover sheet, attachments, and documents:

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT
REEL: 016514 FRAME: 0132



JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned Inventors:

- (1) Anthony C. Bonora
a resident of Portola Valley, California; and
- (2) Michael Krolak
a resident of Los Gatos, California; and
- (3) Roger G. Hine
a resident of Menlo Park, California; and

have invented certain new and useful improvements in:

DIRECT TOOL LOADING

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention

WHEREAS Asyst Technologies, Inc. (hereinafter termed "Assignee"), a corporation of the State of California, having a place of business at 48761 Kato Road, Fremont, 94538, State of California, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1 Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2 Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or

desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3 The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith

IN WITNESS WHEREOF, the said Inventors have executed this instrument on the date of acknowledgement before the Notary Public as given below and delivered this instrument to said Assignee:

1 _____ On the ___ day of _____, 20__;

Or

2 Said application having SC/Serial Number 11/064,880 and filed on the 24th day of February, 2005.

Date of Execution of Declaration for Patent Application: _____

Date: April 27, 2005 (1) Anthony C. Bonora
(Inventor's Signature)

State of California

County of Alameda

On 27 April 2005 before me, Lisa M Johnson, Notary
(name and title of officer)

personally appeared Anthony C. Bonora, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument

WITNESS my hand and official seal

Signature Lisa M Johnson



1. _____ On the ___ day of _____, 20__;

Or

2. ✓ Said application having SC/Serial Number 11/064,880 and filed on the 24th day of February, 2005.

Date of Execution of Declaration for Patent Application: _____

Date: 4-27-05

(2) Michael Krolak
(Inventor's Signature)

State of California

County of Alameda

On 27 April 2005 before me, Lisa M. Johnson, Notary
(name and title of officer)

personally appeared Michael Krolak, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature [Handwritten Signature]



1 _____ On the ___ day of _____, 20__;

Or

2. Said application having SC/Serial Number 11/064,880 and filed on the 24th day of February, 2005.

Date of Execution of Declaration for Patent Application:

Date: 4/27/05

(3) [Signature]
(Inventor's Signature)

State of California

County of Alameda

On 27 April 2005 before me, Lisa M. Johnson, Notary
(name and title of officer)

personally appeared Roger G. Hine, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument

WITNESS my hand and official seal.

Signature [Signature]

