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Attorney Docket No. 3251.10US01

FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE
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MINNEAPOLIS, MN
MAY 20 2003

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

- 1. Name of conveying party(ies):
Asyst Technologies, Inc. 6-24-03
- 2. Name and address of receiving party(ies):
Entegris Cayman Ltd.
3500 Lyman Boulevard
Chaska, Minnesota 55318

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

Additional name(s) & address(es)
attached? Yes No

- 3. Nature of conveyance:
 Assignment Merger
 Other: _____

Execution Date(s): May 9, 2003

- 4. Application number(s) or patent number(s):

If this document is being filed together with a new non-provisional application, the execution date of the application is:

- A. Patent Application No(s).
 - B. Patent No(s).
6,319,297
- Additional numbers attached? Yes No

- 5. Name and address of party to whom correspondence concerning document should be mailed:
Customer No. 24113
Douglas J. Christensen
Patterson, Thuente, Skaar & Christensen, P.A.
4800 IDS Center
80 South 8th Street
Minneapolis, Minnesota 55402-2100
- 6. Total number of applications and patents involved: 1
- 7. Total fee (37 CFR 3.41): \$ 40.00
 Enclosed
 Authorized to be charged to deposit account
- 8. Deposit Account Number: 16-0631
(Attach duplicate copy of this page if paying by deposit account)

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- 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.

Douglas J. Christensen
Name of Person Signing

Douglas J. Christensen
Signature

June 20, 2003
Date

Total number of pages comprising cover sheet: 2

ASSIGNMENT

WHEREAS, Asyst Technologies, Inc., has rights and interest to a certain patent described as follows:

U.S. Patent No.: 6,319,297
Issue Date: November 20, 2001
U.S. Application No.: 09/049,354
Filing Date: March 27, 1998
Title: MODULAR SMIF POD BREATHER, ADSORBENT,
AND PURGE CARTRIDGES

WHEREAS, ENTEGRIS CAYMAN LTD. is desirous of acquiring any and all such interest in and to said patent.

NOW, THEREFORE, Be It Known, that for good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the entire rights, title and interest of said above identified patents and applications, the inventions disclosed and claimed therein, and any renewals, continuations, divisionals, continuation-in-parts, reissues, extensions, substitutions, foreign or domestic counterparts thereof, including any and all rights to apply for and obtain patents therefore in all foreign countries, is hereby sold, assigned and transferred to ENTEGRIS CAYMAN LTD.

The undersigned agrees to sign such papers, testify orally and do other things at the expense of ENTEGRIS CAYMAN LTD. or its successors or assigns, as may be reasonably necessary for the purpose of obtaining and enforcing the patents.

Signed at this 9 day of May, 2003.

ASYST TECHNOLOGIES, INC.

By: Geoffrey G. Ribar

Printed Name: GG Ribar

Title: Senior Vice President and
Chief Financial Officer