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To the Honorable Commissioner of Patent

1. Name of conveying party(ies):

Ronald P. Piwczyk

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

3. Nature of conveyance:

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

Execution Date: October 3, 2000

2. Name and address of receiving party(ies)

Name: ASE Americas, Inc.

Internal Address: _____

Street Address: 4 Suburban Park Drive

City: Billerica State: MA ZIP: 08121

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: 10/03/00

A. Patent Application No.(s)

B. Patent No.(s)

09690161

Additional numbers attached? Yes No

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

Name: Pandiscio & Pandiscio

Internal Address: Nicholas A. Pandiscio

Street Address: 470 Totten Pond Road

City: Waltham State: MA ZIP: 02451

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 (any deficiencies)

8. Deposit account number:

16-0221

(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.

Nicholas A. Pandiscio

Name of Person Signing

Nicholas A. Pandiscio

Signature

10/12/00

Date

Total number of pages including cover sheet, attachments, and document: 2

A S S I G N M E N T

I, Bernhard P. Piwczyk, of _____,

_____ having invented improvements in _____
Gas Assisted Laser Cutting Of Thin And Fragile Materials

and having this day executed an application for United States patent describing the same and based thereon (and I hereby authorize my attorney(s), authorized to prosecute said application, to here insert the filing date and serial number of said application, when known, Serial No. _____, Filed _____), for good and valuable consideration receipt of which is hereby acknowledged from ASE Americas, Inc., a Delaware

corporation having its principal place of business in Billerica, Massachusetts (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to and under said application and the inventions and any of them therein set forth and described, and any and all patents and like rights of exclusion (including extensions thereof) of any country which may be granted on or for said inventions or any of them or any part thereof or on said application or any divisional, continuing, reissue, or other patent application based thereon;

And for the same consideration I do also hereby sell, assign, and transfer unto the Assignee, its successors, and assigns all my rights under the International Convention for the Protection of Industrial Property and all other treaties of like purpose in respect of said inventions and any of them and all parts thereof and said application, and I do hereby authorize the Assignee, its successors, and assigns to apply in my name or its or their own name or names for patents and like rights of exclusion on or for said inventions or any of them or any part thereof in all countries claiming if it or they so desire the priority of the filing date of said application under the provisions of said Convention or any such other treaty;

And for the same consideration, I do hereby agree for myself and for my heirs, executors, and administrators, promptly upon request of the Assignee, its successors, or assigns, to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, reissue or other application or applications for patent or patents or like rights of exclusion of any country, or other lawful documents and any further assurances that may be deemed necessary or desirable by the Assignee, its successors, or assigns fully to secure to it or them said right, title, and interest as aforesaid in and to said inventions and any of them and all parts thereof and in and to and under said several patents and like rights of exclusion (including extensions thereof) or any of them, all, however, at the expense of the Assignee, its successors, or assigns;

And I do hereby authorize and request the Commissioner of Patents of the United States of America and the corresponding Officer of each country foreign thereto to issue to the Assignee, its successors, or assigns, any and all patents and like rights of exclusion which may be granted in any country upon said United States application or other applications or any of them or on or for said inventions or any of them or any part thereof; and I do hereby covenant for myself and my legal representatives and agree with the Assignee, its successors, and assigns that I have granted no right or license to make, use, or sell said inventions or any of them or any part thereof to anyone except the Assignee, that prior to the execution of this deed my right, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by me, and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I hereunto set my hand and seal this 3rd day of October, 2000

State of Massachusetts)
County of Middlesex) ss.

Bernhard Piwczyk
Bernhard P. Piwczyk

Before me this 3rd day of October, 2000, personally appeared Bernhard P. Piwczyk, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.

(S E A L)

M. Theresa Fontannay
Notary Public

MY COMMISSION EXPIRES

SEPTEMBER 30, 2000

DOCKET NO.

ASE-06