TO THE ASSISTANT COMMISSIONER FOR PATENTS

1. Name of conveying party(ies): (If multiple assignors, list numerically)
   1. Tuomo Suntola
   2. Pekka Soiminen
   3. Niklas Bondestam

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

3. Nature of conveyance:
   (X) Assignment
   ( ) Merger
   ( ) Security Agreement
   ( ) Change of Name
   ( ) Other:

   Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)
   1. February 14, 2001
   2. February 14, 2001
   3. February 14, 2001

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: Jeffery W. Koepke
   KNOBBE, MARTENS, OLSON & BEAR, LLP
   Customer No. 20,995
   Internal Address: Sixteenth Floor
   Street Address: 620 Newport Center Drive
   City: Newport Beach State: CA ZIP: 92660
   Attorney's Docket No.: SEPP1.001CP1

7. Total fee (37 CFR 3.41): $40
   (X) Enclosed
   (X) Authorized to be charged to deposit account if any additional fees are required, or to credit any overpayment.

8. Deposit account number: 11-1410
   Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

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.

   Jeffery W. Koepke
   Name of Person Signing
   Signature
   Date

45,561
Registration No.

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

U.S. Patent and Trademark Office
Attn: Assignment Division
Crystal Gateway-4
1213 Jefferson Davis Highway, Suite 320
Arlington, VA 22202
ASSIGNMENT

WHEREAS, I/WE (1) Tuomo Suntola, a Finnish citizen, residing at Vasamatie 25, Fin-02630 Espoo, Finland (2) Pekka Sonininen, a Finnish citizen, residing at Ilmarinkatu 10 B 28, Fin-00100 Helsinki, Finland (3) Niklas Bondestam, a Finnish citizen, residing at Haahkakuja 1 B 25, Fin-00200 Helsinki, Finland

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in METHOD AND APPARATUS FOR GROWING THIN FILMS, the specification of which:

(a) □ was executed on even date herewith;
(b) □ was filed on January 4, 2000 as □ Application No. 09/686,613 or □ Express Mail No., as Application No. not yet known and was amended on January 4, 2000 (if applicable); or
(c) □ was described and claimed in PCT International Application No. filed on ___________ and as amended under PCT Article 19 on _______________ (if any) and/or under PCT Article 34 on _______________ (if any).

AND WHEREAS, ASM MICROCHEMISTRY LTD, with its principal place of business at Kutojantie 2 B Fin-02630 Espoo, Finland, (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.
IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 14th day of February, 2001

Signature of Tuomo Suntola

This 14th day of February, 2001

Signature of Pekka Soininen

This 14th day of February, 2001

Signature of Niklas Bondestam