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PATENT
REEL: 011572 FRAME: 0639

Correspondent Name and Address

Area Code and Telephone Number

617-854-4000

Name Jerry Cohen

Address (line 1) Perkins, Smith & Cohen, LLP

Address (line 2) One Beacon Street

Address (line 3)

Address (line 4) Boston, Massachusetts 02108-3106

Pages

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Patent Application Number(s)

Patent Number(s)

09/727,881

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number as not been assigned.

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1

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Jacob N. Erlich, Reg. No. 24,338

Name of Person Signing

Jacob N. Erlich

Signature

2-22-2001

Date

ASSIGNMENT

WHEREAS, we, Wesley J. Skinner, residing at 9 Southridge Circle, Andover, MA 01810, and Allen R. Kirkpatrick, residing at 53 Fifer Lane, Lexington, MA 02420 (hereinafter referred to collectively as "Assignors"), have jointly made an invention entitled METHOD AND APPARATUS FOR SMOOTHING THIN CONDUCTIVE FILMS BY GAS CLUSTER ION BEAM, for which an application for a United States Patent was filed on December 1, 2000 and accorded Serial No. 09/727,881, and which claims priority to U.S. Provisional Application Serial No. 60/169,342 filed December 6, 1999.

WHEREAS, Epion Corporation, a corporation organized and existing under the laws of the Commonwealth of Massachusetts, having its principal place of business at 37 Manning Road, Billerica, MA 01821 (hereinafter referred to as "Assignee"), is desirous of acquiring right, title and interest in said invention.


NOW, THEREFORE, in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignors by these presents, do sell, assign and transfer to Assignee, Assignors entire right, title and interest, for the United States of America and its possessions and territories and for all foreign countries, in and to said invention, including all rights of priority created and conferred by any treaty or international convention which is available in connection with said invention, including the right to apply for patent rights, U.S. or foreign, and in any continuations, divisions, substitutes, renewals, reissues or other applications filed in the U.S. or abroad (including multinational filing arrangements of all kinds), and in any U.S. or foreign patents issued on any such applications and reissues, extensions and renewals thereof, to be held and enjoyed by Assignee, for its own use and behalf and for its successors and assigns, to the full ends of the terms or extended terms for which any Letters Patents or the like may be granted, as fully and entirely as the same would have been held by Assignors had this sale, assignment and transfer not been made.

Assignors hereby authorize and request the Commissioner of Patents of the United States, and any official of any country or countries (including multinational filing arrangements of all kinds), whose duty it is to receive and/or examine applications for patents or similar industrial property, issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to Assignee, its successors and assigns, in accordance with the terms of this instrument.

Assignors covenant with Assignee, its successors, assigns, and legal representatives that Assignors have full right to convey the entire interest herein assigned, and that Assignors have not executed any agreement in conflict herewith and will not execute any agreement or conveyance in conflict herewith.

Assignors further covenant and agree to communicate to Assignee, its successors, legal representatives and assigns, any facts known to Assignors respecting said invention, and testify in any legal proceeding, sign all lawful papers, including, without limitation, application papers, assignments, powers of attorney, declarations, and other instruments, execute all divisional, continuing, substitute, reissue, renewal and foreign applications, make all truthful oaths, declarations and statements, and generally do everything reasonably requested of Assignors by Assignee, or its successors or assigns to aid Assignee, its successors or assigns, to obtain, enforce and/or exploit said invention.

Executed this 23 day of Feb, 2001.

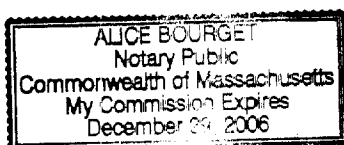

Wesley J. Skinner

Commonwealth of Massachusetts,)
)
County of Middlesex) ss.

Before me appeared Wesley J. Skinner on this 23rd day of Feb., 2001, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Alice Bourget
Notary Public
My commission expires 12/29/06

SEAL



Executed this 23rd day of February, 2001.

Allen R. Kirkpatrick

Allen R. Kirkpatrick

Commonwealth of Massachusetts,)

County of Middlesex) ss.

Before me appeared Allen R. Kirkpatrick on this 23rd day of Feb., 2001, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Alice Bourget

Notary Public

My commission expires 12/29/06

SEAL

