

PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attach:



1. Name of conveying party(ies):

Stephen R. SHALOM

2. Name and address of receiving party(ies):

AASTRA TECHNOLOGIES LIMITED
1685 Flint Road
Toronto, Ontario M3J 2W8
CANADA

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other: _____

Execution Date(s): July 15, 1998

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

This document is being filed together with a new application:

(a) The execution date(s) of the application is/are:

(b) The title is: _____

*** OR ***

This document is being filed after filing of the application:

(a) Patent Application No(s). _____ filed _____; or

(b) Patent No(s). 4,985,913, issued January 15, 1991.

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

KILPATRICK STOCKTON LLP
Suite 800
700 13th Street, N.W.
Washington, D.C. 20005

Attorney Docket No.: AAS0013

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.

40E

8. Deposit Account No.: 11-0855 (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit 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.

Wilburn L. Chesser, Reg. #41,668

Name of Person Signing

Signature

Date: 2/9/99

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

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DO NOT USE THIS SPACE

ASSIGNMENT

WHEREAS, I, Stephen R. Shalom, an individual resident of New Jersey, own U.S. Patent No. 4,985,913 issued January 15, 1991 (the '913 Patent); and

WHEREAS, Aastra Technologies Limited, a Canadian corporation (AASTRA) desires to purchase same;

NOW, THEREFORE, in consideration of the sum of one U.S. dollar (\$1.00US) and other good and valuable consideration paid by AASTRA, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred and conveyed and by these presents do hereby sell, assign, transfer and convey unto AASTRA, in and for the United States and its territories and for foreign countries, the entire right, title and interest in and to the '913 Patent, in and to the invention therein set forth and in and to any patent which may issue on any reissue, renewal, division, or continuation thereof and to sue for, recover and have all damages for infringement including past infringement of the '913 Patent or such patent rights; and I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration, any and all applications, petitions, oaths and assignments or other papers and instruments and to do such other and further things including without limitation cooperating in enforcement of the '913 patent, which may be necessary in order to carry into full force and effect the sale, assignment, transfer and conveyance hereby made or intended to be made. I represent that I am the sole owner of the '913 Patent, that it is in force as of the date of this agreement, and that it is subject to no encumbrances which would restrict the conveyance made in this document.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 15 day of July, 1998.

Stephen R. Shalom
Stephen R. Shalom

On this 15th day of July, 1998, before me, a notary public, came Stephen R. Shalom, to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

Marie Miscia-Riedinger
Notary Public
My Commission expires:

(SEAL)

MARIE MISCIA-RIEDINGER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Mar. 10, 2003