

08-27-1999

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**



101130318

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

10649 U.S. PTO  
09/377052  
08/19/99

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

☒ New  
☐ Resubmission (Non-Recordation)  
Document ID#   
☐ Correction of PTO Error  
Reel #  Frame #   
☐ Corrective Document  
Reel #  Frame #

**Conveyance Type**

☒ Assignment ☐ Security Agreement  
☐ License ☐ Change of Name  
☐ Merger ☐ Other   
**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)  
☐ Departmental File ☐ Secret File

**Conveying Party(ies)**

☐ Mark if additional names of conveying parties attached

Name (line 1)

Execution Date  
Month Day Year  
08 16 99

Name (line 2)

**Second Party**

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1)

☒ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)     
City State/Country Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**FOR OFFICE USE ONLY**

08/26/1999 MTHAI1 00000262 09377052

01 FC:581

40.00 DP

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231  
REEL: 010191 FRAME: 0033

**Correspondent Name and Address**

Area Code and Telephone Number (613) 820-1366

Name Pascal & Associates

Address (line 1) P.O. Box 11121

Address (line 2) Station H

Address (line 3) Nepean, Ontario

Address (line 4) Canada, K2H 7T8

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

# 1

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**



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  
08 16 99

**Patent Cooperation Treaty (PCT)**

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

PCT  PCT  PCT   
PCT  PCT  PCT

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:

Enclosed ☒

Deposit Account ☐

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

Authorization to charge additional fees:

Yes

☐

No

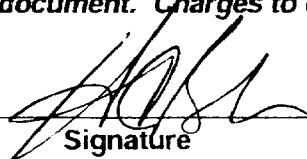
☒

**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. Charges to deposit account are authorized, as indicated herein.

Harold C. Baker (Reg. 19333)

Name of Person Signing

  
Signature

Aug. 17/99

Date

ASSIGNMENT AND AGREEMENT

For value received, I **Peter C. STICKLAND**  
 whose full post office address is 268 Atlantis Avenue  
 Ottawa, Ontario  
 Canada, K2A 1X6  
 hereby sell, assign and transfer to **EMS TECHNOLOGIES CANADA, LTD.**  
 whose full post office address is 1725 Woodward Drive  
 Ottawa, Ontario  
 Canada, K2C 0P9  
 and its successors, assigns and legal representatives, the entire  
 right, title and interest, for all countries, in and to the  
 invention entitled **TOP-FED QUADRAFILAR HELICAL ANTENNA** as  
 described in an application for letters patent filed in the  
**UNITED STATES**, the Declaration and Power of Attorney accompanying  
 said application being executed on August 16, 1999  
 and all rights and privileges including priority rights arising  
 from the application aforesaid and corresponding applications in  
 other countries, all continuations, continuations-in-part,  
 divisionals, renewals, substitutes or reissues thereof, and all  
 the rights and privileges under any and all letters patent that  
 may be granted for said inventions.

I request that any and all patents for said inventions  
 may be issued to said assignee, its successors, assigns and legal  
 representatives, or to such nominees as it may designate.

I agree that, when requested, I will, without charge to  
 said assignee but at its expense, sign all papers, take all  
 rightful oaths, and do all acts which may be necessary, desirable  
 or convenient for claiming said priority rights and for securing  
 and maintaining patents for said inventions in any and all  
 countries and for vesting title thereto in said assignee, its  
 successors, assigns and legal representatives or nominees.

I covenant with said assignee, its successors, assigns  
 and legal representatives, that the rights and property herein  
 conveyed are free and clear of any encumbrance, and that I have  
 full right to convey the same as herein expressed.

THE UNDERSIGNED hereby authorizes the firm of **PASCAL &  
 ASSOCIATES** whose full office address in Canada is Suite 405, 301  
 Moodie Drive, Nepean, Ontario, K2H 9C4, and whose full mailing  
 address is P.O. Box 11121, Station H, Ottawa, Ontario, K2H 7T8,  
 to correct errors in this assignment or to insert any further  
 identification or other information necessary or desirable to  
 make this assignment suitable for recordal in the United States  
 Patent Office.

EXECUTED AT OTTAWA.... )  
 this 16<sup>TH</sup>..... day of )  
AUGUST....., 1999 )

*Peter C. Strickland*.....  
 Peter C. Strickland

Witness: *JP*.....