

05-25-2001



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U.S. DEPARTMENT OF COMMERCE
Patent & Trademark OfficeRECORDATION FORM COVER SHEET
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): James C. Carson and Sara Phillips		2. Name and address of receiving party(ies): Name: EMS Technologies, Inc. 660 Engineering Drive Norcross, Georgia 30092	
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: April 19, 2001		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4(a). Patent Application No.(s): 09/785,033		4(b). Patent No.(s):	
If this document is being filed together with a new application, the execution date of the application is: _____			
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Steven P. Wigmore, Esq. Address: KING & SPALDING 45th Floor, 191 Peachtree Street, N.E. Atlanta, Georgia 30303		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) enclosed: \$ 40.00	
DO NOT USE THIS SPACE			
8. Statement and signature. <i>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.</i> <i>I certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents & Trademarks, Washington, DC 20231, on the date given below.</i> Steven P. Wigmore, Reg. No. 40,447 Name of Person Signing Attorney Docket No: 06935.105026 Signature: <i>[Signature]</i> Date: May 17, 2001 Total number of pages including cover sheet: 4			

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

Commissioner of Patents & Trademarks
Box Assignments
Washington, DC 20231PATENT
REEL: 011827 FRAME: 0301

ASSIGNMENT

WHEREAS, we, **James C. Carson**, a citizen of the United States of America, residing at 5350 Malddie Court, Sugar Hill, Georgia 30518 and **Sara Phillips**, a citizen of the United States of America, residing at 4180 Ancroft Circle, Norcross, Georgia 30092; have invented certain inventions and improvements disclosed in an application for Letters Patent entitled "**Method and System for Producing Dual Polarization States with Controlled RF Beamwidths**", filed in the United States Patent and Trademark Office on February 16, 2001, and assigned U.S. Serial No. 09/785,033; and

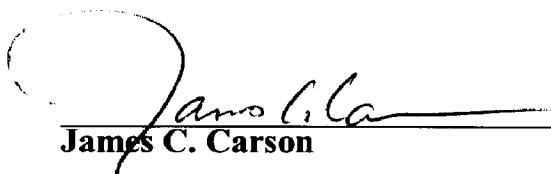
WHEREAS, **EMS Technologies, Inc.**, a corporation of the State of Georgia having a principal place of business at 660 Engineering Drive, Norcross, Georgia 30092, is desirous of acquiring an interest in the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, **James C. Carson**, and **Sara Phillips**, by these presents do sell, assign and transfer unto **EMS Technologies, Inc.**, the full, exclusive and entire right, title, and interest in and to said application, in and to any divisions, continuations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said application, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said application, or from a division, continuation, or reissue thereof, to **EMS Technologies, Inc.** as the assignee, for its interest and for the sole use and benefit of **EMS Technologies, Inc.** and its assigns and legal representatives;

For the same consideration, we, by these presents do sell, assign, and transfer to **EMS Technologies, Inc.**, the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights

granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of **EMS Technologies, Inc.**, or its designee insofar as permitted by applicable law.


AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **EMS Technologies, Inc.**, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.



James C. Carson

STATE OF GEORGIA

Before me, a Notary Public in and for the State of Georgia, on this 19th day of April, 2001, personally appeared **James C. Carson**, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.



NOTARY PUBLIC

(SEAL)

My Commission Expires:

NOTARY PUBLIC, FORSYTH COUNTY, GEORGIA
MY COMMISSION EXPIRES OCTOBER 01, 2001

Sara Phillips
Sara Phillips

STATE OF GEORGIA

Before me, a Notary Public in and for the State of Georgia, on this 19th day of April, 2001, personally appeared **Sara Phillips**, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

Laura Z. Hunt
NOTARY PUBLIC

(SEAL)

My Commission Expires:

NOTARY PUBLIC, FORSYTH COUNTY, GEORGIA
MY COMMISSION EXPIRES OCTOBER 01, 2001

K&S Docket No.: 06935.105026