

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
James M Howell	11/08/2002
RECEIVING PARTY DATA	
Name:	EMS Technologies, Inc.
Street Address:	660 Engineering Drive
City:	Norcross
State/Country:	GEORGIA
Postal Code:	30092
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	10934235
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	103-6
NAME OF SUBMITTER:	Sheila J. Moon
Total Attachments: 2 source=Original Assignment Multibeam Broadcast Antenna 11-8-2002#page1.tif source=Original Assignment Multibeam Broadcast Antenna 11-8-2002#page2.tif	

OP \$40.00 10934235

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PATENT
REEL: 017973 FRAME: 0996

ASSIGNMENT OF INVENTION AND NON-PROVISIONAL PATENT APPLICATION

WHEREAS, **James M. Howell**, having a personal address at 545 Fairway Drive, Woodstock, Georgia 30189 (hereinafter referred to as ASSIGNOR) is an inventor of an invention entitled **"BEAMFORMER FOR MULTI-BEAM BROADCAST ANTENNA"** as described in the specification forming part of an application for United States letters patent and previously disclosed in the specification of US Provisional Patent Application Serial No.: 60/344,634; and

WHEREAS, **EMS Technologies, Inc.** (hereinafter referred to as ASSIGNEE), a corporation of the state of Georgia, having a place of business at 660 Engineering Drive, Norcross, Georgia 30092-2821, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration including the sum of ten dollars (\$10.00) paid to ASSIGNOR by ASSIGNEE, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Attorney Docket No.: 8E07.1-031

11/08/02
Date

James M. Howell
James M. Howell

STATE OF Georgia

Before me, a Notary Public in and for the State of Georgia, on this 8th day of NOVEMBER, 2002, personally appeared James M. Howell, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

(Seal)

Lalla Z. Hunt
NOTARY PUBLIC
My Commission Expires: FORSYTH COUNTY, GEORGIA
MY COMMISSION EXPIRES OCTOBER 01, 2005