

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Jeffrey Freedman	06/14/2016
Scott Conrad Markley	06/14/2016
Erik Halvorson	06/14/2016
Arnold Berman	06/14/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	RKF ENGINEERING SOLUTIONS LLC
<b>Street Address:</b>	1229 NINETEENTH STREET, NW
<b>City:</b>	WASHINGTON
<b>State/Country:</b>	D.C.
<b>Postal Code:</b>	20036
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15070362
<b>Application Number:</b>	62133619
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	35876-0024001
<b>NAME OF SUBMITTER:</b>	LORI L. STEWART
<b>SIGNATURE:</b>	/Lori L. Stewart/
<b>DATE SIGNED:</b>	06/15/2016
<b>Total Attachments: 2</b>	

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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, JEFFREY FREEDMAN, SCOTT CONRAD MARKLEY, ERIK HALVORSON, and ARNOLD BERMAN, each individually assign to RKF ENGINEERING SOLUTIONS LLC, a limited liability company formed under the laws of Delaware and having a principal place of business at 1229 Nineteenth Street, NW, Washington, DC 20036, and its successors, transferees, and assignees (collectively the “Assignee”), all of our individual and joint right, title, and interest throughout the world in the subject matter (the “Subject Matter”) of the patent applications that names us as inventors, are titled:

“SATELLITE BEAMFORMING,” and was filed in the United States Patent and Trademark Office on March 15, 2016, as application 15/070,362 (the “Applications”); and

“SATELLITE BEAMFORMING,” and was filed in the United States Patent and Trademark Office on March 16, 2015, as application 62/133,619 (the “Applications”).

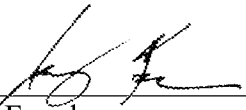
We authorize the insertion of the filing date and application number above.

This Assignment assigns (a) the Applications and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors’ certificates for, any of the Subject Matter (collectively the “Applications and Granted Rights”) in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee’s name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

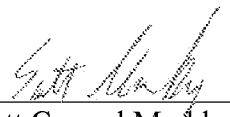
We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee’s name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.


We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

  
\_\_\_\_\_  
Jeffrey Freedman

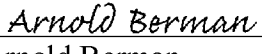
Date: 6/14/16

  
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