

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Michael E. Mussler	01/31/2011
RECEIVING PARTY DATA	
Name:	Ball Aerospace & Technologies Corp.
Street Address:	1600 Commerce Street
City:	Boulder
State/Country:	COLORADO
Postal Code:	80306
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13018146
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Address Line 2:	Suite 1200
Address Line 4:	Denver, COLORADO 80202
ATTORNEY DOCKET NUMBER:	1604-659
NAME OF SUBMITTER:	Bradley M. Knepper
Total Attachments: 2 source=ASSIGNMENT#page1.tif source=ASSIGNMENT#page2.tif	

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PATENT
REEL: 025991 FRAME: 0863

ASSIGNMENT

WHEREAS, I, Michael E. Mussler of 536 Hurricane Hill Drive, Nederland, CO 80466, have invented a certain new and useful invention entitled "CONICAL SWITCHED BEAM ANTENNA METHOD AND APPARATUS" for which an application for Letters Patent of the United States has been prepared for filing, said application being identified as Attorney File No. 1604-659 (D-7036). I hereby authorize Sheridan Ross P.C., the attorney for Ball Aerospace & Technologies Corp., to insert herein in parenthesis (Application No. 13/018,146, filed on January 31, 2011) the application number and filing date of said application when known.

NOW THEREFORE, be it known that I, the said inventor, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Ball Aerospace & Technologies Corp., Delaware corporation having a place of business at 1600 Commerce Street, Boulder, CO 80306, its successors, legal representatives and assigns, the aforesaid application and the invention described therein for the territory of the United States of America and all regular, continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; I also assign any right, title or interest in and to the said invention which has not already been transferred to the assignee, I warrant that I have made no assignment of the invention, application or patent therefor to a party other than Ball Aerospace & Technologies Corp. and I am under no obligation to make any assignment of the invention, application, or patent therefor to any other party; and I further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Ball Aerospace & Technologies Corp., its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

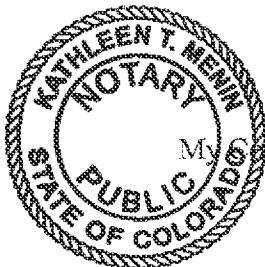
IN WITNESS WHEREOF, the party hereto has executed this Assignment as of the date indicated hereunder.

Date: 31 JANUARY 2011 By: Michael E. Mussler
Michael E. Mussler

STATE OF Colorado)
) ss.
COUNTY OF Jefferson)

Before me, a Notary Public in and for said County and State, personally appeared Michael E. Mussler, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 31st day of January, 2011.



My Commission Expires 11/26/2013

Kathleen T. Henn
Notary Public

My Commission Expires: November 28, 2013