

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ruth BAMFORD</td> <td>06/10/2010</td> </tr> <tr> <td>Robert BINGHAM</td> <td>06/10/2010</td> </tr> </tbody> </table>		Name	Execution Date	Ruth BAMFORD	06/10/2010	Robert BINGHAM	06/10/2010						
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>THE SCIENCE AND TECHNOLOGY FACILITIES COUNCIL</td> </tr> <tr> <td>Street Address:</td> <td>Harwell Innovation Campus</td> </tr> <tr> <td>Internal Address:</td> <td>Rutherford Appleton Laboratory</td> </tr> <tr> <td>City:</td> <td>Chilton, Didcot, Oxon</td> </tr> <tr> <td>State/Country:</td> <td>UNITED KINGDOM</td> </tr> <tr> <td>Postal Code:</td> <td>OX11 0QX</td> </tr> </table>		Name:	THE SCIENCE AND TECHNOLOGY FACILITIES COUNCIL	Street Address:	Harwell Innovation Campus	Internal Address:	Rutherford Appleton Laboratory	City:	Chilton, Didcot, Oxon	State/Country:	UNITED KINGDOM	Postal Code:	OX11 0QX
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<b>PROPERTY NUMBERS Total: 1</b>													
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (703)205-8050</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7032058000</p> <p>Email: Jamie.J.Alfaro@bskb.com</p> <p>Correspondent Name: Birch, Stewart, Kolasch &amp; Birch, LLP</p> <p>Address Line 1: P.O. Box 747</p> <p>Address Line 4: Falls Church, VIRGINIA 22040-0747</p>													
ATTORNEY DOCKET NUMBER:	1028-0227PUS1												
NAME OF SUBMITTER:	Michael K. Mutter												
<p>Total Attachments: 4</p> <p>source=01Nov_1028-0227PUS1_Assignment#page1.tif</p> <p>source=01Nov_1028-0227PUS1_Assignment#page2.tif</p>													

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**PATENT**  
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## ASSIGNMENT

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WHEREAS, I, **Ruth BAMFORD**

of **c/o The Science and Technology Facilities Council, Harwell Innovation Campus, Rutherford Appleton Laboratory, Chilton, Didcot, Oxon, OX11 0QX, United Kingdom**

have invented certain new and useful improvements as described in an International Patent Application entitled **SPACECRAFT SHIELD**

being identifiable under the Patent Co-operation Treaty by Serial No.

**PCT/GB2010/000588**, filed on **26 March 2010**; and in the United States Patent and Trademark Office by Serial No. 12/990,420 , filed on October 29, 2010;

WHEREAS, **THE SCIENCE AND TECHNOLOGY FACILITIES COUNCIL**

a corporation organized and existing under the laws of the **United Kingdom** and having offices at **Harwell Innovation Campus, Rutherford Appleton Laboratory, Chilton, Didcot, Oxon, OX11 0QX, United Kingdom**

("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;


NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title and interest in and to the invention, the above-identified application, corresponding domestic and foreign applications, all Letters Patents or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent of similar legal protection to the Assignee.

- 2 -

I authorize the Assignee, its successors and assigns, to insert in this instrument the United States filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.



(Signature of Inventor)

Date: 16th June '10

*high*  
Witness: TAYN KIMBER

Signature TAYN KIMBER

Name:

Address: 47 Gravel walk, Faringdon, Oxon SN7 7JN

## ASSIGNMENT

---

WHEREAS, I, **Robert BINGHAM**

of **c/o The Science and Technology Facilities Council, Harwell Innovation  
Campus, Rutherford Appleton Laboratory, Chilton, Didcot, Oxon, OX11 0QX,  
United Kingdom**

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("Assignee") is desirous of acquiring the entire right, title and interest in and to the  
invention, the application, and any and all Letters Patent or similar legal protection,  
foreign or domestic, to be obtained therefor;

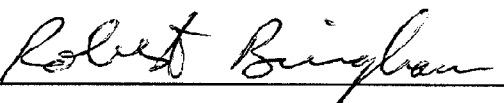
NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy  
of which is hereby acknowledged, I transfer to Assignee, its successors and assigns,  
my entire right, title and interest in and to the invention, the above-identified  
application, corresponding domestic and foreign applications, all Letters Patents or  
similar legal protection issuing thereon, and all rights and benefits under any  
applicable treaty or convention; and I authorize the Commissioner of Patents and  
Trademarks of the United States or foreign equivalent thereof to issue the Letters  
Patent of similar legal protection to the Assignee.

- 2 -

I authorize the Assignee, its successors and assigns, to insert in this instrument the United States filing date and serial number of the application when ascertained.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

  
(Signature of Inventor)

Date: 10<sup>th</sup> June 2010

10/10  
Witness:

Signature Tazuo Kimber

Name: TAZUO KIMBER

Address: 47 Grove Walk, Faringdon, Oxon, SN7 7JN

391522; JRP; SCJ