

**PATENT ASSIGNMENT**

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NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Marcos Vinicio Thomas Heckler	07/26/2011
Enrique Nova Lavado	07/21/2011
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<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	13147306
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Total Attachments: 4 source=Assignment Nova#page1.tif source=Assignment Nova#page2.tif source=Assignment_Heckler#page1.tif source=Assignment_Heckler#page2.tif	

OP \$40.00 13147306

ASSIGNMENT OF APPLICATION FOR PATENT  
(US RIGHTS ONLY)

Whereas,

Name of Inventor(s)	Address
Marcos Vinicio Thomas Heckler	Apostelholzweg 3 82205 Gilching Germany
Enrique Nova Lavado	Rocablanca street 74, 5-2 ENL Mataro & ENL 08303 Barcelona Spain

(hereinafter referred to as ASSIGNOR), have invented a certain invention entitled:

TITLE:	DUAL BAND ANTENNA, IN PARTICULAR FOR SATELLITE NAVIGATION APPLICATIONS
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for which application for Letters Patent of the United States has been filed under:

Application No. ( <i>Express Mail Label No.</i> )	PCT/EP2010/051021
Filing Date ( <i>Deposit Date</i> )	28 January 2010

[Authorization is hereby given for any attorney of record in the subject patent application to insert above the application number and filing date information for this application when that information becomes available]

or, if no application is identified above, the application executed concurrently herewith.

Whereas,

Assignee(s)	Address
DEUTSCHES ZENTRUM FUER LUFT-UND RAUMFAHRT E.V.	Linder Höhe 51147 Köln Germany

[If more than one assignee is listed, each owns an undivided equal share in the application and underlying invention so far as concerns the United States unless otherwise indicated or agreed to by the assignees.]

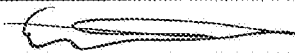
(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor.

Now, therefore, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns, the entire right, title and interest to said invention so far as concerns the United States and the Territories and Possessions thereof, including the right to claim priority, and said application and all Letters Patent of the United

States to be obtained on said application, and any related applications including any nonprovisional application, continuation, division, renewal, substitute or reissue thereof, for the full term or terms for which the same may be granted, and any provisional patent applications on which priority is claimed.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Name of Inventor(s)	Date	Signature
Marcos Vinicio Thomas Heckler		
Enrique Nova Lavado	21 July 2011	

ASSIGNMENT OF APPLICATION FOR PATENT  
(US RIGHTS ONLY)

Whereas,

Name of Inventor(s)	Address
Marcos Vinicio Thomas Heckler	Apostelholzweg 3 RUA BARÃO DO CERRO 82205 Gitching 97542-080 ALEGRETE - RS Germany - BRAZIL
Enrique Nova Lavado	Rocablance street 74, 5-2 E-Mataro 08303 Barcelona Spain

LARGO 449/401  
-RS

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Assignee(s)	Address
DEUTSCHES ZENTRUM FUER LUFT-UND RAUMFAHRT E.V.	Linder Höhe 51147 Köln Germany

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States to be obtained on said application, and any related applications including any nonprovisional application, continuation, division, renewal, substitute or reissue thereof, for the full term or terms for which the same may be granted, and any provisional patent applications on which priority is claimed.

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Name of Inventor(s)	Date	Signature
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Enrique Nova Lavado		