

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| GUNTHER ZUREK-TERHARDT | 03/31/2010 |
| TORSTEN GORIG | 03/31/2010 |
| JENS RUSCH-IHWE | 04/12/2010 |
| DENIS HAGEMEIER | 03/31/2010 |
| MICHAEL SIMON | 05/10/2010 |
| RECEIVING PARTY DATA | |
| Name: | Rohde & Schwarz GmbH & Co. KG |
| Street Address: | Muehldorfstrasse 15 |
| City: | Muenchen |
| State/Country: | GERMANY |
| Postal Code: | D-81671 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12727478 |
| CORRESPONDENCE DATA | |
| Fax Number: | (212)218-2200 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
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| Email: | jberschadsky@fchs.com |
| Correspondent Name: | Jonathan Berschadsky |
| Address Line 1: | Fitzpatrick, Cella, Harper & Scinto |
| Address Line 2: | 1290 Avenue of the Americas |
| Address Line 4: | New York, NEW YORK 10104-3800 |
| ATTORNEY DOCKET NUMBER: | 03086.501000. |
| NAME OF SUBMITTER: | Jonathan Berschadsky |

CH \$40.00 12727478

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**PATENT
 REEL: 024449 FRAME: 0279**

Total Attachments: 4

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Attorney Docket No.: 03086.501000.

JOINT
(AFTER APPLICATION FILED)

ASSIGNMENT RE NON-PROVISIONAL APPLICATION FOR ALL COUNTRIES

FOR VALUE RECEIVED, we

Günther Zurek-Terhardt, a citizen of Germany, residing at Münchener Str. 20, D-15566 Schöneiche, Germany

Torsten Görig, a citizen of Germany, residing at Regattastr. 177, D-12527 Berlin, Germany

Jens Rusch-Ihwe, a citizen of Germany, residing at Offenbachstrasse 2, D-14772 Brandenburg an der Havel, Germany

Denis Hagemeier, a citizen of Germany, residing at Am Krusenick 20, D-12555 Berlin, Germany

Michael Simon, a citizen of the United States, residing at 6471 Forest Hills Court, Frederick, MD 21701

hereby sell, assign, transfer and convey **Rohde & Schwarz GmbH & Co. KG**

a corporation of the **Germany**

having a place of business at **Muehldorfstrasse 15, D-81671 Muenchen, Germany**

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for the United States, in and to certain inventions relating to

METHOD FOR IMPROVING THE DATA RATE OF MOBILE/HANDHELD DATA AND THE QUALITY OF CHANNEL ESTIMATION IN AN ATSC-M/H TRANSPORT DATA STREAM

and described in an application for Letters Patent of the United States Application No. 12/727,478 filed on March 19, 2010, and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.


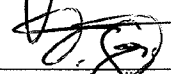


AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal :

| | | | |
|-----|-------|-----------------|--|
| By: | Date: | <u>31.03.10</u> |  GÜNTHER ZUREK-TERHARDT |
| By: | Date: | <u>31.03.10</u> |  TORSTEN GÖRIG |
| By: | Date: | <u>17.09.10</u> |  JENS RUSCH-IHWE |
| By: | Date: | <u>31.03.10</u> |  DENIS HAGEMEIER |
| By: | Date: | _____ | _____ MICHAEL SIMON |

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AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal :

By: Date: _____

GÜNTHER ZUREK-TERHARDT

By: Date: _____

TORSTEN GÖRIG

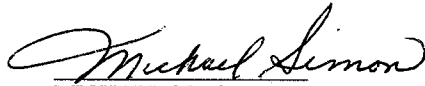
By: Date: _____

JENS RUSCH-IHWE

By: Date: _____

DENIS HAGEMEIER

By: Date: May 10, 2010



MICHAEL SIMON