

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5239976

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KLAUS MICHAEL ILLGNER-FEHNS	10/17/2018
CLEMENS KUNERT	10/15/2018
HERMANN LIPFERT	10/17/2018
SWEN PETERSEN	11/15/2018
AHMAD EL MALEK	10/17/2018
WILLEM LEONARDUS VAN DER KRUK	10/19/2018
RECEIVING PARTY DATA	
Name:	INSTITUT FUR RUNDFUNKTECHNIK GMBH
Street Address:	FLORIANSMUHLSTRASSE 60
City:	MUNICH
State/Country:	GERMANY
Postal Code:	80939
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16098356
CORRESPONDENCE DATA	
Fax Number:	(801)328-1707
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	801-533-9800
Email:	dwilson@wnlaw.com
Correspondent Name:	WORKMAN NYDEGGER
Address Line 1:	60 EAST SOUTH TEMPLE
Address Line 2:	SUITE 1000
Address Line 4:	SALT LAKE CITY, UTAH 84111
ATTORNEY DOCKET NUMBER:	21570.30
NAME OF SUBMITTER:	DANA L. TANGREN
SIGNATURE:	/dana l. tangren/
DATE SIGNED:	11/15/2018
This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT

Total Attachments: 16

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COMBINED DECLARATION and ASSIGNMENT
(Utility, Design, National Stage of PCT)

TITLE OF INVENTION:² TRANSMISSION APPARATUS FOR WIRELESS
TRANSMISSION OF AN MPEG-TS (TRANSPORT STREAM) COMPATIBLE DATA
STREAM

As a below named inventor, I hereby declare that:

SPECIFICATION IDENTIFICATION

This declaration and assignment is directed to:

(complete (a), (b), or (c))³

- (a) The attached application (United States Application No. _____,
filed on _____);
- (b) Previously filed United States Application No. _____,
filed on _____; or
- (c) PCT International Application No. PCT/EP2017/060428, filed on May 2, 2017
(nationalized as United States Application No. 16/098,356,
filed on November 1, 2018).

I hereby authorize the patent attorneys and/or patent agents of Workman Nydegger to insert the
above Application No(s). and filing date(s) when known.

DECLARATION AND ACKNOWLEDGEMENT

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the
above-identified application.

I hereby state that I have reviewed and understand the contents of the above-identified
application, including the claim(s).

I acknowledge the duty to disclose all information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT⁴

The Assignee, INSTITUT FUR RUNDFUNKTECHNIK GMBH, having a principal place of business at Floriansmuhlstrasse 60, Munich, Germany 80939, desires to secure the entire right, title and interest in the above-identified application.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to me by the Assignee, the receipt and sufficiency of which is hereby acknowledged, I HEREBY ASSIGN TO THE ASSIGNEE:

The entire right, title and interest in the above-identified application and in all divisions, continuations and continuations-in-part of said application and in all patents issuing thereon in the United States and in all reissues or extensions of patents granted thereon.

The right to claim priority to or the benefit of any prior related United States or foreign patent applications including under all applicable treaties and conventions.

I hereby authorize and request the United States Commissioner of Patents and Trademarks, to issue any and all patents on said application to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

I hereby agree, without further consideration, to sign all lawful papers and to perform all other lawful acts which the Assignee may request me to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, continuation, continuation-in-part, substitute, reissue, and other United States applications and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

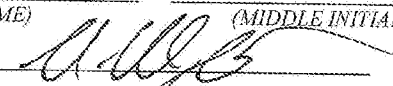
With regard to the above-identified application and applications claiming priority thereto, cooperate to the best of my ability in: (1) proceedings relating to nullification, reissue, extension, post grant, inter parties, derivation, supplemental examination, and infringement; (2) execution of all lawful documents; and (3) the production of evidence.

This assignment and agreement shall be binding upon my heirs and legal representatives.

SIGNATURE(S)⁵

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

Full name of sole or first inventor

<u>Klaus</u> <small>(GIVEN NAME)</small>	<u>Michael</u> <small>(MIDDLE INITIAL OR NAME)</small>	<u>Illgner-Fehns</u> <small>FAMILY (OR LAST NAME)</small>
Signature 	Date	<u>12/10/17</u> <small>(YYYYMMDD)</small>
Residence <u>Starnberg</u> <small>(city)</small>	Germany	<small>(State or Country)</small>
Mailing Address <u>Jahnstr. 20, Starnberg, Germany 82319</u>		
<u>Germany 80939</u>		

Full name of second joint inventor, if any

<u>Clemens</u> <small>(GIVEN NAME)</small>	<u></u> <small>(MIDDLE INITIAL OR NAME)</small>	<u>Kunert</u> <small>FAMILY (OR LAST NAME)</small>
Signature _____	Date _____	
Residence <u>Unterfoehring</u> <small>(city)</small>	Germany	<small>(State or Country)</small>
Mailing Address <u>Dorfangerweg 78, Unterfoehring, Germany 85774</u>		

Full name of third joint inventor, if any

<u>Hermann</u> <small>(GIVEN NAME)</small>	<u></u> <small>(MIDDLE INITIAL OR NAME)</small>	<u>Lipfert</u> <small>FAMILY (OR LAST NAME)</small>
Signature _____	Date _____	
Residence <u>Oberhaching</u> <small>(city)</small>	Germany	<small>(State or Country)</small>
Mailing Address <u>F-J-Strauss-Strasse 20, Oberhaching, Germany 82041</u>		

Full name of fourth joint inventor, if any

Swen Peterson
(GIVEN NAME) *(MIDDLE INITIAL OR NAME)* *FAMILY (OR LAST NAME)*
Signature _____ Date _____
Residence Munich Germany
(city) *(State or Country)*
Mailing Address Blumenauer Strasse 61, Munich, Germany 81241

Full name of fifth joint inventor, if any

Ahmad El Malek
(GIVEN NAME) *(MIDDLE INITIAL OR NAME)* *FAMILY (OR LAST NAME)*
Signature _____ Date _____
Residence Munich Germany
(city) *(State or Country)*
Mailing Address Max-Wönner-Str. 15, Munich, Germany 80995

Full name of sixth joint inventor, if any

Willem Leonardus Van Der Kruk
(GIVEN NAME) *(MIDDLE INITIAL OR NAME)* *FAMILY (OR LAST NAME)*
Signature _____ Date _____
Residence Veldhoven The Netherlands
(city) *(State or Country)*
Mailing Address Strijpsebaan 38, Veldhoven, The Netherlands 5508RB

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COMBINED DECLARATION and ASSIGNMENT
(Utility, Design, National Stage of PCT)

TITLE OF INVENTION:² TRANSMISSION APPARATUS FOR WIRELESS TRANSMISSION OF AN MPEG-TS (TRANSPORT STREAM) COMPATIBLE DATA STREAM

As a below named inventor, I hereby declare that:

SPECIFICATION IDENTIFICATION

This declaration and assignment is directed to:

*(complete (a), (b), or (c))*³

(a) [] The attached application (United States Application No. _____, filed on _____);

(b) [] Previously filed United States Application No. _____, filed on _____; or

(c) [X] PCT International Application No. PCT/EP2017/060428, filed on May 2, 2017 (nationalized as United States Application No. _____, filed on _____).

I hereby authorize the patent attorneys and/or patent agents of Workman Nydegger to insert the above Application No(s). and filing date(s) when known.

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supplemental examination, and infringement; (2) execution of all lawful documents; and (3) the production of evidence.

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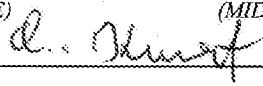
SIGNATURE(S)⁶

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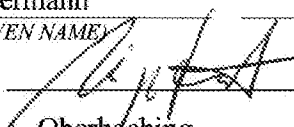
Full name of sole or first inventor

<u>Klaus</u> <small>(GIVEN NAME)</small>	<u>Michael</u> <small>(MIDDLE INITIAL OR NAME)</small>	<u>Illgner-Fehns</u> <small>FAMILY (OR LAST NAME)</small>
Signature _____	Date _____	
Residence <u>Starnberg</u> <small>(city)</small>	<u>Germany</u> <small>(State or Country)</small>	
Mailing Address <u>Jahnstr. 20, Starnberg, Germany 82319</u>		
<u>Germany 80939</u>		

Full name of second joint inventor, if any

<u>Clemens</u> <small>(GIVEN NAME)</small>	<u></u> <small>(MIDDLE INITIAL OR NAME)</small>	<u>Kunert</u> <small>FAMILY (OR LAST NAME)</small>
Signature <u></u>	Date <u>15.10.2018</u>	
Residence <u>Unterfohring</u> <small>(city)</small>	<u>Germany</u> <small>(State or Country)</small>	
Mailing Address <u>Dorfangerweg 78, Unterfoehring, Germany 85774</u>		

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<u>Hermann</u> <small>(GIVEN NAME)</small>	<u></u> <small>(MIDDLE INITIAL OR NAME)</small>	<u>Lipfert</u> <small>FAMILY (OR LAST NAME)</small>
Signature <u></u>	Date <u>17.10.2018</u>	
Residence <u>Oberhaching</u> <small>(city)</small>	<u>Germany</u> <small>(State or Country)</small>	
Mailing Address <u>F-J-Strauss-Strasse 20, Oberhaching, Germany 82041</u>		

Full name of fourth joint inventor, if any

Petersen

Swen Petersen
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Signature _____ Date _____

Residence Munich Germany
(city) (State or Country)

Mailing Address Blumenauer Strasse 61, Munich, Germany 81241

Full name of fifth joint inventor, if any

Ahmad El Malek
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Signature  _____ Date 17.10.2018

Residence Munich Germany
(city) (State or Country)

Mailing Address Max-Wönner-Str. 15, Munich, Germany 80995

Full name of sixth joint inventor, if any

Willem Leonardus Van Der Kruk
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

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Full name of sole or first inventor

<u>Klaus</u> <i>(GIVEN NAME)</i>	<u>Michael</u> <i>(MIDDLE INITIAL OR NAME)</i>	<u>Illgner-Fehs</u> <i>FAMILY (OR LAST NAME)</i>
Signature _____	Date _____	
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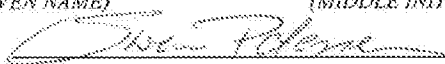
Full name of second joint inventor, if any

<u>Clemens</u> <i>(GIVEN NAME)</i>	<u></u> <i>(MIDDLE INITIAL OR NAME)</i>	<u>Kunert</u> <i>FAMILY (OR LAST NAME)</i>
Signature _____	Date _____	
Residence <u>Unterfohring</u> <i>(city)</i>	<u>Germany</u> <i>(State or Country)</i>	
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<u>Hermann</u> <i>(GIVEN NAME)</i>	<u></u> <i>(MIDDLE INITIAL OR NAME)</i>	<u>Lipfert</u> <i>FAMILY (OR LAST NAME)</i>
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Mailing Address <u>F.-J.-Strauss-Strasse 20, Oberhaching, Germany 82041</u>		

Full name of fourth joint inventor, if any

Swen		Peterson
<small>(GIVEN NAME)</small>	<small>(MIDDLE INITIAL OR NAME)</small>	<small>FAMILY (OR LAST NAME)</small>
Signature 	Date	15.11.2018
Residence Munich	Germany	
<small>(city)</small>	<small>(State or Country)</small>	
Mailing Address Blumenuer Strasse 61, Munich, Germany 81241		

Full name of fifth joint inventor, if any

Ahmad		El Malek
<small>(GIVEN NAME)</small>	<small>(MIDDLE INITIAL OR NAME)</small>	<small>FAMILY (OR LAST NAME)</small>
Signature _____	Date _____	
Residence Munich	Germany	
<small>(city)</small>	<small>(State or Country)</small>	
Mailing Address Max-Wönnner-Str. 15, Munich, Germany 80995		

Full name of sixth joint inventor, if any

Willem	Leonardus	Van Der Kruk
<small>(GIVEN NAME)</small>	<small>(MIDDLE INITIAL OR NAME)</small>	<small>FAMILY (OR LAST NAME)</small>
Signature _____	Date _____	
Residence Veldhoven	The Netherlands	
<small>(city)</small>	<small>(State or Country)</small>	
Mailing Address Strijpsebaan 38, Veldhoven, The Netherlands 5508RB		

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Full name of sole or first inventor

<u>Klaus</u> <small>(GIVEN NAME)</small>	<u>Michael</u> <small>(MIDDLE INITIAL OR NAME)</small>	<u>Illgner-Fehnis</u> <small>FAMILY (OR LAST NAME)</small>
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Full name of second joint inventor, if any

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Full name of third joint inventor, if any

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Full name of fourth joint inventor, if any

Swen Peterson
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)
Signature _____ Date _____
Residence Munich Germany
(city) (State or Country)
Mailing Address Blumenauer Strasse 61, Munich, Germany 81241

Full name of fifth joint inventor, if any

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Signature  Date 2018-10-19
Residence Veldhoven The Netherlands
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