

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT8159767

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KARSTEN GRÜNEBERG	03/05/2019
SERHAN GÜL	03/05/2019
CORNELIUS HELLGE	03/05/2019
YAGO SÁNCHEZ	03/05/2019
THOMAS SCHIERL	03/05/2019
ROBERT SKUPIN	03/05/2019
RECEIVING PARTY DATA	
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State/Country:	GERMANY
Postal Code:	80686
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	18464595
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	251918-1461
NAME OF SUBMITTER:	DANIEL R. MCCLURE
SIGNATURE:	/Daniel R. McClure/
DATE SIGNED:	09/11/2023

Total Attachments: 6

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PATENT

REEL: 064860 FRAME: 0136

**ASSIGNMENT
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

<u>Name</u>	<u>Address</u>
Karsten GRÜNEBERG	Adickesstraße 43 13599 Berlin DE
Serhan GÜL	Buttmanstraße 7a 13357 Berlin DE
Cornelius HELLGE	Erich-Weinert-Straße 5 10439 Berlin DE
Yago SÁNCHEZ	Warschauer Strasse 67 10243 Berlin DE
Thomas SCHIERL	Boris-Pasternak-Weg 7b 13156 Berlin DE
Robert SKUPIN	Naugarder Straße 42 10409 Berlin DE

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

**BROADCAST STREAMING OF PANORAMIC VIDEO FOR INTERACTIVE
CLIENTS**

which was:

- ☐ executed on even date herewith,
- ☒ filed with the United States Patent and Trademark Office (USPTO) on November 23, 2018, and assigned Serial No. 16/198,957, and
- ☐ further described in U.S. Provisional application entitled _____, filed with the USPTO on _____, and assigned Serial No. _____.

Note: Only one of the first two checkboxes will be checked. The third checkbox will be checked, only if appropriate.

WHEREAS, Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V., having a place of business at Hansastraße 27c, 80686 München, Germany, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said Provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

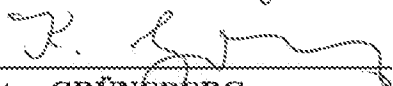
ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said Inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

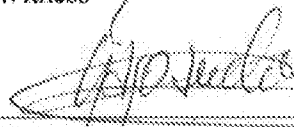
Date: 5/3/19


Karsten GRÜNEBERG

Date: 5/3/19


Witness

Date: 5/3/19


Witness

Date: 05.03.2019

Serhan GÜL
Serhan GÜL

Date: 5 March

K. Gung
Witness

Date: 5.3.2019

C. G
Witness

Date: 5.3. 2019

Cornelius HELLGE
Cornelius HELLGE

Date: 5. March 2019

K. Gung
Witness

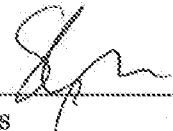
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[Signature]
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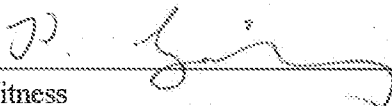
Date: 5/3/19


Yago SANCHEZ

Date: 5/3/19


Witness


Date: 5/3/19


Witness

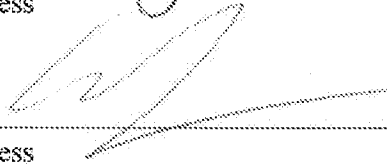
Date: 5th March 19


Thomas SCHIERL

Date: 5 March 19


Witness

Date: 5 March 19


Witness

Date:

5/3/19


Robert SKUPIN

Date:

5/3/19


Witness

Date:

5/3/19


Witness