

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT6630183

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| | |
| Name | Execution Date |
| BENJAMIN BROSS | 03/01/2021 |
| PHILIPP MERKLE | 03/04/2021 |
| SIMONE WALTER | 02/18/2021 |
| HEIKO SCHWARZ | 02/25/2021 |
| DETLEV MARPE | 02/25/2021 |
| THOMAS WIEGAND | 03/01/2021 |
| PAUL KEYDEL | 02/18/2021 |
| RECEIVING PARTY DATA | |
| Name: | FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V. |
| Street Address: | HANSASTRASSE 27C |
| City: | MÜNCHEN |
| State/Country: | GERMANY |
| Postal Code: | 80686 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 17135058 |
| CORRESPONDENCE DATA | |
| Fax Number: | (703)563-9748 |
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| ATTORNEY DOCKET NUMBER: | PJK5284398 |
| NAME OF SUBMITTER: | IRENE REE |
| SIGNATURE: | /IRENE REE/ |

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| DATE SIGNED: | 03/30/2021 |
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Total Attachments: 4
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source=PJK5284398-Assignments#page4.tif

ASSIGNMENT OF PATENT APPLICATION

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as ASSIGNOR), has/have invented a certain improvement relating to a

EXTENDED REFERENCE INTRA-PICTURE PREDICTION

for which I/we EXECUTED AN APPLICATION FOR Letters Patent of the United States which was filed in the United States Patent and Trademark Office on December 28, 2020, as Application No. 17/135,058, (hereinafter referred to as said APPLICATION)

WHEREAS, Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V., a corporation of Germany, whose post office address is Hansastraße 27c 80686 München Germany (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

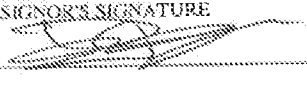
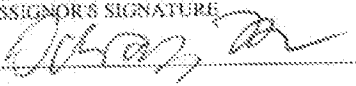
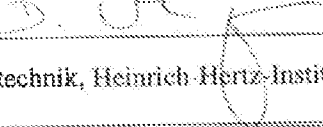
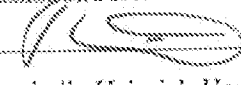
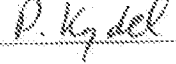
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee(s) is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee(s), its/their lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/We hereby authorize and request the Director of United States Patent and Trademark Office to issue all Letters Patent for this invention to Assignee(s), its/their successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee(s), its/their successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers

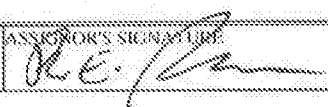
when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee(s), its/their successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee(s), its/their successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee(s), its/their successors and assigns.

IN TESTIMONY WHEREOF, this Assignment is executed by the ASSIGNOR.

| | | |
|--|--|------------------------|
| 1. FULL NAME OF SOLE OR FIRST ASSIGNOR BROSS, Benjamin | ASSIGNOR'S SIGNATURE  | DATE 1.3.2021 |
| ADDRESS c/o Fraunhofer-Institut für Nachrichtentechnik, Heinrich-Hertz-Institut, HHI Einsteinufer 37, 10587 Berlin Germany | | CITIZENSHIP Germany |
| 2. FULL NAME OF SOLE OR FIRST ASSIGNOR MERKLE, Philipp | ASSIGNOR'S SIGNATURE | DATE |
| ADDRESS c/o Fraunhofer-Institut für Nachrichtentechnik, Heinrich-Hertz-Institut, HHI Einsteinufer 37, 10587 Berlin Germany | | CITIZENSHIP Germany |
| 3. FULL NAME OF SOLE OR FIRST ASSIGNOR WALTER, Simone | ASSIGNOR'S SIGNATURE | DATE |
| ADDRESS c/o Fraunhofer-Institut für Nachrichtentechnik, Heinrich-Hertz-Institut, HHI Einsteinufer 37, 10587 Berlin Germany | | CITIZENSHIP Germany |
| 4. FULL NAME OF SOLE OR FIRST ASSIGNOR SCHWARZ, Heiko | ASSIGNOR'S SIGNATURE  | DATE 02/25/2021 |
| ADDRESS c/o Fraunhofer-Institut für Nachrichtentechnik, Heinrich-Hertz-Institut, HHI Einsteinufer 37, 10587 Berlin Germany | | CITIZENSHIP Germany |
| 5. FULL NAME OF SOLE OR FIRST ASSIGNOR MARPE, Detlev | ASSIGNOR'S SIGNATURE  | DATE 25.02.2021 |
| ADDRESS c/o Fraunhofer-Institut für Nachrichtentechnik, Heinrich-Hertz-Institut, HHI Einsteinufer 37, 10587 Berlin Germany | | CITIZENSHIP Germany |
| 6. FULL NAME OF SOLE OR FIRST ASSIGNOR WIEGAND, Thomas | ASSIGNOR'S SIGNATURE  | DATE 01.05.2021 |
| ADDRESS c/o Fraunhofer-Institut für Nachrichtentechnik, Heinrich-Hertz-Institut, HHI Einsteinufer 37, 10587 Berlin Germany | | CITIZENSHIP Germany |
| 7. FULL NAME OF SOLE OR FIRST ASSIGNOR KEYDEL, Paul | ASSIGNOR'S SIGNATURE  | DATE 02/18/2021 |
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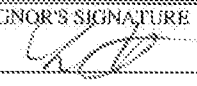
when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee(s), its/their successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee(s), its/their successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee(s), its/their successors and assigns.

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| 2. FULL NAME OF SOLE OR FIRST ASSIGNOR MERKLE, Philipp | ASSIGNOR'S SIGNATURE  | DATE 04 March 2021 |
| ADDRESS c/o Fraunhofer-Institut für Nachrichtentechnik, Heinrich-Hertz-Institut, HHI Einsteinufer 37, 10587 Berlin Germany | | CITIZENSHIP Germany |
| 3. FULL NAME OF SOLE OR FIRST ASSIGNOR WALTER, Simone | ASSIGNOR'S SIGNATURE | DATE |
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| 3. FULL NAME OF SOLE OR FIRST ASSIGNOR WALTER, Simone | ASSIGNOR'S SIGNATURE  | DATE 18.02.2021 |
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