504860618 04/10/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4907357

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------|----------------|
| ERT-OPTIK DR. THIEL GMBH | 03/20/2018 |

RECEIVING PARTY DATA

| Name: | BASF SE |
|-----------------|--------------|
| Street Address: | |
| City: | LUDWIGSHAFEN |
| State/Country: | GERMANY |
| Postal Code: | 67056 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15324223 |

CORRESPONDENCE DATA

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| NAME OF SUBMITTER: | KRISTEN MCCARTNEY |
| SIGNATURE: | /Kristen McCartney/ |
| DATE SIGNED: | 04/10/2018 |

Total Attachments: 1

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PATENT 504860618 REEL: 045489 FRAME: 0719



Declaration of Assignment of Rights

ERT-OPTIK Dr. Thiel GmbH, Donnersbergweg 1, 67059 Ludwigshafen, Germany, after good and valuable consideration, hereby assigns its share in the application for letters patent of the United States of America No. 15/324,223, filed January 5, 2017 (internal reference 76845), entitled,

"Detector for determining a position of at least one object"

which was transferred from the inventors, Dr. Erwin Thiel and Stephan Irle, to ERT-OPTIK Dr. Thiel GmbH in accordance with the provisions of their contract of employment, to

BASF SE, 67056 Ludwigshafen, Germany

together with all rights, title, interest and duties, including the right to make applications for industrial property rights. The inventors have been designated as required by law. ERT-OPTIK Dr. Thiel GmbH shall provide BASF SE with any assistance necessary for the acquisition and exercising of industrial property rights.

The cost of acquiring and exercising industrial property rights in respect of the invention shall be borne by BASF SE. BASF SE shall be free to use and/or license the invention without any obligation to pay royalties to ERT-OPTIK Dr. Thiel GMBH.

Ludwigshafen, 20th Narch 2018

ERT-OPTIK Dr. Thiel GmbH

We hereby accept the above assignment.

Ludwigshafen, ASIC 4, 2018

BASF SE

Dr. Olaf Schweers

Or. Martina Eberle

Vice Presidents

PATENT REEL: 045489 FRAME: 0720

RECORDED: 04/10/2018