

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| MATS TIMOTHY KNOOP | 09/01/2018 |
| ANTJE LIESKE | 08/27/2018 |
| RECEIVING PARTY DATA | |
| Name: | FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V. |
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| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16087015 |
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| NAME OF SUBMITTER: | XAVIER PILLAI |
| SIGNATURE: | /Xavier Pillai/ |
| DATE SIGNED: | 09/20/2018 |
| Total Attachments: 2 | |
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| source=Assignment#page2.tif | |

ASSIGNMENT

WHEREAS, I/We

(1) Mats Timothy KNOOP of Kaiser-Friedrich-Straße 124, Potsdam 14469, Germany,
and

(2) Antje LIESKE of Dorothea-Schneider-Straße 8, Potsdam 14480, Germany,

hereinafter referred to as Assignor, have invented a certain invention entitled:

MELT SPINNABLE COPOLYMERS FROM POLYACRYLONITRILE, METHOD FOR
PRODUCING FIBERS OR FIBER PRECURSORS BY MEANS OF MELT SPINNING,
AND FIBERS PRODUCED ACCORDINGLY

for which International Patent Application No. PCT/EP2016/056194 has been filed on March
22, 2016, and

WHEREAS, FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER
ANGEWANDTEN FORSCHUNG E.V., of Hansastraße 27c, 80686 München, Germany,
hereinafter referred to as Assignee, is desirous of acquiring the entire U.S. right, title, and
interest of Assignor in, to, and under the invention and the referenced International Patent
Application, including the entire right, title, and interest of Assignor in, to, and under the U.S.
national phase thereof, filed on September 20, 2018, under U.S. Application No.
16/087,015, and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency
of which is hereby acknowledged,

Assignor assigns and transfers to Assignee and Assignee's legal representatives,
successors, and assigns the entire right, title, and interest in, to, and under the invention, the
referenced patent application, other such applications (e.g., provisional applications, non-
provisional applications, continuations, continuations-in-part, divisionals, reissues,
reexaminations, national and regional phase applications, petty patent applications, and utility
model applications) that may be filed in the U.S. and/or any country foreign to the U.S. on
the invention, the patents that may issue thereon, and the patents as may be modified as the
result of applicable procedures (e.g., supplemental examinations, ex parte reexaminations,
inter partes reexaminations, inter partes reviews, post-grant reviews, and oppositions),

Assignor conveys to the Assignee the right to make applications in Assignee's own
behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to
claim priority to the referenced patent application and other such applications that may be
filed in the U.S. or any country foreign to the U.S. on the invention under the Patent
Cooperation Treaty, the Paris Convention, and any other international arrangements,

Assignor will not execute any writing or do any act conflicting with the terms of this
assignment,

Assignor will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to pursue the patent applications identified herein, including, but not limited to, rendering all necessary assistance in making applications for and obtaining patents that may issue thereon in the U.S. and any countries foreign to the U.S. on the invention, and in enforcing any rights accruing as a result of such applications or patents, by, for example, executing statements and other affidavits.

Assignor and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto,

Assignor authorizes Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment.

IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below.

Date 01.09.18

Assignor: Mats Timothy KNOOP

Date 01.09.2018

Witness: ELKE SCHMITZ

Date 01.08.2018

Witness: ELKE Schmitz

Date 27.8.2018

Assignor: Antje LIESKE

Date 27.08.2018

Witness: ANDRE GOMOLL

Date 27.08.2018

Witness: MURAT TUTUS