503128419 01/08/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3175028

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| JONATHAN MICHAEL PENNEY | 01/06/2015 |
| DAVID WILLIAM NORMAN | 01/06/2015 |
| ANDREW JAMES VETTER | 01/06/2015 |

RECEIVING PARTY DATA

| Name: | EASTMAN CHEMICAL COMPANY |
|-----------------|--------------------------|
| Street Address: | 100 NORTH EASTMAN ROAD |
| City: | KINGSPORT |
| State/Country: | TENNESSEE |
| Postal Code: | 37660 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14585884 |

CORRESPONDENCE DATA

Fax Number: (423)229-1239

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.

Phone: 423-229-3137

Email: ilmcglothlin@eastman.com

EASTMAN CHEMICAL COMPANY Correspondent Name: Address Line 1: 100 NORTH EASTMAN ROAD Address Line 4: KINGSPORT, TENNESSEE 37660

| ATTORNEY DOCKET NUMBER: | 85103US01 |
|-------------------------|----------------------|
| NAME OF SUBMITTER: | JENNIFER R. KNIGHT |
| SIGNATURE: | /Jennifer R. Knight/ |
| DATE SIGNED: | 01/08/2015 |

Total Attachments: 3

source=85103US01_Assignment_01#page1.tif source=85103US01_Assignment_01#page2.tif source=85103US01_Assignment_01#page3.tif

> **PATENT** REEL: 034665 FRAME: 0867 503128419

ASSIGNMENT

For good and valuable consideration received, I/we, Jonathan Michael Penney, David William Norman, and Andrew James Vetter, do hereby sell and assign to Eastman Chemical Company, a Delaware corporation having a place of business at Kingsport, Tennessee, its successors and assigns, the entire right, title, interest and priority rights in and to all of my/our inventions, discoveries and improvements disclosed in an application for Letters Patent for

METHYL-IODIDE-FREE CARBONYLATION OF AN ALCOHOL TO ITS HOMOLOGOUS ALDEHYDE AND/OR ALCOHOL

| executed by | Jonathan Michael Penney | the | 6 | day of | Tamas | 2015 |
|-------------|-------------------------|-----|----|--------|----------|------|
| executed by | David William Norman | the | Ah | day of | _ June x | 2015 |
| executed by | Andrew James Vetter | the | 6# | day of | January | 2015 |

and all right, title and interest in and to Letters Patent and similar protective rights granted on said applications in the United States and other countries, as well as the right to claim any applicable priority rights arising from said applications under the terms of any applicable conventions, treaties, statutes or regulations, said applications to be filed and issued in the name of Eastman Chemical Company or its designee; and I/we agree to execute such documents as in the judgment of Eastman Chemical Company may be necessary to obtain any such patents and similar protective rights and vest and maintain the title thereto in Eastman Chemical Company or its designee; and I/we further agree that, upon request, but without expense to me/us, I/we shall furnish to Eastman Chemical Company or its designee any data, information, exhibits, memoranda, or other evidence in our possession relating to any of said inventions, discoveries or improvements and to testify in any ex parte or inter partes legal proceedings relating to any of said inventions, discoveries, improvements, applications, patents or similar protective rights; and I/we authorize and request issuance of all Letters Patent and similar protective rights that may be granted on any of said applications, to the extent that and in such manner as such issuance shall be requested by Eastman Chemical Company or its

PATENT REEL: 034665 FRAME: 0868

| accordance with the laws of the State of Tennessee, USA. |
|---|
| Signed this |
| CERTIFICATE OF WITNESS I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth. Jodi McGlothlin (Signature of Witness) (Signature of Witness) (Address of Witness) |
| CERTIFICATE OF WITNESS I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth. ASHLEY CLIFFORD (Signature of Witness) 284 PIOGENAM DR. BLOWTYNILE, TO 37617 (Address of Witness) |
| Signed this 6th day of 3th way , 2015 David William Norman |
| CERTIFICATE OF WITNESS I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth. Sodi McGlothlin Foodi McLllothlin (Signature of Witness) 13595 Horton Hwy; Grecheville, TN 37745 (Address of Witness) |
| CERTIFICATE OF WITNESS I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth. |
| Ashley Culfford (Type or Print Name of Witness) (Signature of Witness) |
| (Address of Witness) |

| Signed this day of January, 2015 Andrew James Vetter |
|---|
| CERTIFICATE OF WITNESS I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth. Jodi McGlothin Andi Mc Yllothic (Signature of Witness) (Signature of Witness) (Address of Witness) |
| CERTIFICATE OF WITNESS I acknowledge that I was personally present and did see the above-named inventor, who is personally known to me, duly execute the above assignment on the date therein set forth. ASHLEY CLIFFORD (Type or Print Name of Witness) (Signature of Witness) ZSH RIDGEWAY DR, BUSINIUS TN 3767 (Address of Witness) |
| |