

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT3462654

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
MUIN S. HADDAD	07/22/2015
JAMES F. BRAZDIL	07/27/2015
ROBERT A. GUSTAFERRO	07/22/2015

**RECEIVING PARTY DATA**

<b>Name:</b>	INEOS EUROPE AG
<b>Street Address:</b>	3 AVENUE DES UTTINS
<b>City:</b>	ROLLE, VAUD
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	1180

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	14801085

**CORRESPONDENCE DATA**

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<b>ATTORNEY DOCKET NUMBER:</b>	50146
<b>NAME OF SUBMITTER:</b>	DAVID P. YUSKO
<b>SIGNATURE:</b>	/David P. Yusko/
<b>DATE SIGNED:</b>	07/30/2015

**Total Attachments: 4**

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ASSIGNMENT

In consideration of the Assignees to Assignors for good and valuable consideration, the undersigns;

**Muin S. Haddad; 30W271 Country Lakes Drive, Naperville, IL 60563**  
**James F. Brazdil; 769 Marston Avenue Glen Ellyn, IL 60137**  
**Robert A. Gustafarro; 547 Flock Avenue, Naperville, IL 60565**

Hereby assign, and transfer unto **INEOS EUROPE AG**, having an office and place of business at **3 Avenue des Uttins, Rolle, Vaud, Switzerland, 1180**, or its nominee and the successors, assigns, and legal representative of the Assignee or its nominee, the whole right, title and interest in and to a certain invention or improvement in

**Title: IMPROVED CATALYST FOR n-BUTANE OXIDATION TO MALEIC ANHYDRIDE**  
**Application Number: 14/801,085**

disclosed in an application for Letters Patent of the United States. Therefore, when issued, together with all improvements thereon and betterments thereof, all related International PCT applications, divisions, continuations and reissues thereof and substitutions of or for said application, and bears **Case No. 50146** and all rights and privileges under the Letters Patent that may be granted therefore, including the right to claim the benefit of an earlier filing date for the same invention in a foreign country.

We hereby authorize and request the Commissioner of patents to issue the Letters Patent that may be granted for said invention, and application or applications resulting therefrom or improvements to said **INEOS EUROPE AG** as assigned of the entire right, title, and interest.

For the same consideration, we hereby agree that I will promptly communicate to the aforesaid Assignee or its nominee or assigns full and complete information concerning said improvements or betterments of the inventions disclosed in said application, and will cooperate at any time upon request of said Assignee or its nominee or assigns, at its expense, in the procurement of patent protection to cover the inventions herein assigned and to be assigned, including the execution of new divisional, continuing and reissue applications; will make all rightful oaths, will testify in any proceedings in the United States Patent Office or in the Courts, and generally will do everything lawfully possible to aid said Assignees, its successors, assigns and nominees to obtain, enjoy and enforce proper patent protection for the inventions embraced within the terms of this document.

DATE: July 22, 2015

  
**Muin S. Haddad**

**WITNESS 1**

*Judith B. Sentman*  
Signature Name

7/22/15  
Date

Judith B. Sentman  
Print Name

**WITNESS 2**

*Michael J. Seely*  
Signature Name

7/22/15  
Date

Michael J. Seely  
Print Name

**DATE:** \_\_\_\_\_

\_\_\_\_\_  
**James F. Brazdil**

**WITNESS 1**

\_\_\_\_\_  
Signature Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name

**WITNESS 2**

\_\_\_\_\_  
Signature Name

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Date

\_\_\_\_\_  
Print Name

WITNESS 1

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Signature Name  
  
\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Date

WITNESS 2

\_\_\_\_\_  
Signature Name  
  
\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Date

DATE: 27 July 2015

*J. F. Brazdil*  
James F. Brazdil

WITNESS 1

*Joseph T. Golab*  
Signature Name  
  
Joseph T Golab  
Print Name

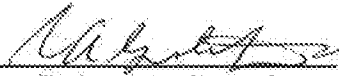
27 July 2015  
Date

WITNESS 2

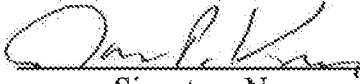
*Christina Lemas*  
Signature Name  
  
Christina Lemas  
Print Name

27 July 2015  
Date

DATE: 7/22/2015

  
Robert A. Gustaferra

WITNESS 1

  
Signature Name

7/22/15  
Date

James P. Karsson  
Print Name

WITNESS 2

  
Signature Name

7/22/2015  
Date

Christina Lemar  
Print Name