

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | |
|--|------------------------|---------------|----------------|---------------------|----------------------|--------------------------|------------|-----------------------|------------|-----------------|------------|------------------|------------|-------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ANGELA CARATI</td> <td>09/27/2013</td> </tr> <tr> <td>MARIA FEDERICA GAGLIARDI</td> <td>09/27/2013</td> </tr> <tr> <td>MARCO MASSIMO FERRARI</td> <td>09/27/2013</td> </tr> <tr> <td>STEFANO ZANARDI</td> <td>09/27/2013</td> </tr> <tr> <td>MARCELLO MARELLA</td> <td>09/27/2013</td> </tr> <tr> <td>MICHELE TOMASELLI</td> <td>09/27/2013</td> </tr> </tbody> </table> | | Name | Execution Date | ANGELA CARATI | 09/27/2013 | MARIA FEDERICA GAGLIARDI | 09/27/2013 | MARCO MASSIMO FERRARI | 09/27/2013 | STEFANO ZANARDI | 09/27/2013 | MARCELLO MARELLA | 09/27/2013 | MICHELE TOMASELLI | 09/27/2013 |
| Name | Execution Date | | | | | | | | | | | | | | |
| ANGELA CARATI | 09/27/2013 | | | | | | | | | | | | | | |
| MARIA FEDERICA GAGLIARDI | 09/27/2013 | | | | | | | | | | | | | | |
| MARCO MASSIMO FERRARI | 09/27/2013 | | | | | | | | | | | | | | |
| STEFANO ZANARDI | 09/27/2013 | | | | | | | | | | | | | | |
| MARCELLO MARELLA | 09/27/2013 | | | | | | | | | | | | | | |
| MICHELE TOMASELLI | 09/27/2013 | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>ENI S.P.A.</td> </tr> <tr> <td>Street Address:</td> <td>PIAZZALE E. MATTEI 1</td> </tr> <tr> <td>City:</td> <td>ROME</td> </tr> <tr> <td>State/Country:</td> <td>ITALY</td> </tr> <tr> <td>Postal Code:</td> <td>00144</td> </tr> </table> | | Name: | ENI S.P.A. | Street Address: | PIAZZALE E. MATTEI 1 | City: | ROME | State/Country: | ITALY | Postal Code: | 00144 | | | | |
| Name: | ENI S.P.A. | | | | | | | | | | | | | | |
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| City: | ROME | | | | | | | | | | | | | | |
| State/Country: | ITALY | | | | | | | | | | | | | | |
| Postal Code: | 00144 | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14007913</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 14007913 | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | |
| Application Number: | 14007913 | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | MPG-022741US PCT | | | | | | | | | | | | | | |

OP \$40.00 14007913

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| NAME OF SUBMITTER: | RICHARD A. SUTKUS |
| Signature: | /Richard A. Sutkus/ |
| Date: | 10/23/2013 |
| Total Attachments: 2 source=MPG022741USPCTASSIGNMENT#page1.tif source=MPG022741USPCTASSIGNMENT#page2.tif | |

Serial No. 14/007,913

Attorney Docket No.
MPG-022741US PCT

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made.

WHEREAS, ENI S.p.A., having a place of business at Piazzale E. Mattei 1, 00144 Rome, Italy is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said ENI S.p.A., its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said ENI S.p.A., as assignee of my entire right, title and interest.

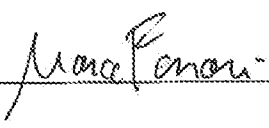
I also hereby sell and assign to ENI S.p.A., its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

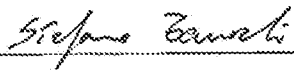
I hereby further agree that I will communicate to said ENI S.p.A., or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said ENI S.p.A., its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

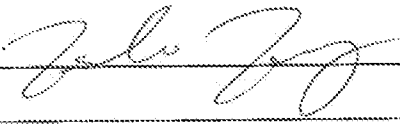
IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;


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| TITLE OF INVENTION | MIXED OXIDES OF TRANSITION METALS, HYDROTREATMENT CATALYSTS OBTAINED THEREFROM AND PREPARATION PROCESS |
| SIGNATURE OF INVENTOR AND NAME | ANGELA CARATI <i>Angela Carati</i> |
| DATE | 27.09.13 |
| RESIDENCE (CITY AND STATE) | VIA FRATELLI ROSSELLI, 6, I-20098, SAN GIULIANO MILANESE (MI), ITALY |

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|--------------------------------|--|
| TITLE OF INVENTION | MIXED OXIDES OF TRANSITION METALS, HYDROTREATMENT CATALYSTS OBTAINED THEREFROM AND PREPARATION PROCESS |
| SIGNATURE OF INVENTOR AND NAME | MARIA FEDERICA GAGLIARDI <i>M. Federica Gagliardi</i> |
| DATE | 27.09.13 |
| RESIDENCE (CITY AND STATE) | VIA DON TESTORI, 38, I-21053, CASTELLANZA (VA), ITALY |

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|--------------------------------|--|
| TITLE OF INVENTION | MIXED OXIDES OF TRANSITION METALS, HYDROTREATMENT CATALYSTS OBTAINED THEREFROM AND PREPARATION PROCESS |
| SIGNATURE OF INVENTOR AND NAME | MARCO MASSIMO FERRARI  |
| DATE | 27.09.13 |
| RESIDENCE (CITY AND STATE) | VIA AMUNDSEN, 5, I-20148, MILANO, ITALY |

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|--------------------------------|--|
| TITLE OF INVENTION | MIXED OXIDES OF TRANSITION METALS, HYDROTREATMENT CATALYSTS OBTAINED THEREFROM AND PREPARATION PROCESS |
| SIGNATURE OF INVENTOR AND NAME | STEFANO ZANARDI  |
| DATE | 27.09.13 |
| RESIDENCE (CITY AND STATE) | VIA LEONARDI, 12, I-28069, TRECCATE (NO), ITALY |

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| TITLE OF INVENTION | MIXED OXIDES OF TRANSITION METALS, HYDROTREATMENT CATALYSTS OBTAINED THEREFROM AND PREPARATION PROCESS |
| SIGNATURE OF INVENTOR AND NAME | MARCELLO MARELLA  |
| DATE | 27.09.13 |
| RESIDENCE (CITY AND STATE) | CANNAREGIO 4069, I-30121, VENEZIA, ITALY |

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| TITLE OF INVENTION | MIXED OXIDES OF TRANSITION METALS, HYDROTREATMENT CATALYSTS OBTAINED THEREFROM AND PREPARATION PROCESS |
| SIGNATURE OF INVENTOR AND NAME | MICHELE TOMASELLI  |
| DATE | 27.09.13 |
| RESIDENCE (CITY AND STATE) | VIA ANGELO TOFFOLI, 1A, I-30175, VENEZIA, ITALY |