

PATENT ASSIGNMENT

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Sunoco, Inc. (R&M) | 07/22/2011 |
| RECEIVING PARTY DATA | |
| Name: | Honeywell International Inc. |
| Street Address: | 101 Columbia Road |
| City: | Morristown |
| State/Country: | NEW JERSEY |
| Postal Code: | 07962 |
| PROPERTY NUMBERS Total: 19 | |
| Property Type | Number |
| Patent Number: | 5131984 |
| Patent Number: | 5202498 |
| Patent Number: | 5240568 |
| Patent Number: | 5414154 |
| Patent Number: | 6201157 |
| Patent Number: | 6303826 |
| Patent Number: | 6355851 |
| Patent Number: | 6388144 |
| Patent Number: | 6667178 |
| Patent Number: | 7002048 |
| Patent Number: | 7034192 |
| Patent Number: | 7166752 |
| Patent Number: | 7186866 |
| Patent Number: | 5245090 |
| Patent Number: | 5344528 |

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PATENT
REEL: 026795 FRAME: 0045

CH \$760.00 5131984

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| Patent Number: | 6620980 |
| Patent Number: | 7037480 |
| Application Number: | 12797321 |
| Patent Number: | 7049474 |

CORRESPONDENCE DATA

Fax Number: (973)455-6199

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 973-455-02362

Email: Bruce.Bradford@honeywell.com

Correspondent Name: Brcue Bradford

Address Line 1: 101 Columbia Road

Address Line 4: Morristown, NEW JERSEY 07962

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| ATTORNEY DOCKET NUMBER: | H29509-529 |
|-------------------------|------------|

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| NAME OF SUBMITTER: | Bruce Bradford |
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Total Attachments: 9

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INTELLECTUAL PROPERTY ASSIGNMENT

This Intellectual Property Assignment (this “IP Assignment”), is made and entered into as of July 22, 2011, by and between Honeywell International Inc., a Delaware corporation (“**Assignee**”), and Sunoco, Inc. (R&M), a Pennsylvania corporation (“**Assignor**”), pursuant to that certain Asset Purchase Agreement (the “**Purchase Agreement**”), dated as of May 17, 2011, by and among Honeywell Resins & Chemicals LLC, a Delaware limited liability company, Assignee (solely with respect to Sections 12.1 and 12.2(a) thereof), Assignor and Sunoco, Inc., a Pennsylvania corporation (solely with respect to Section 12.2(b) thereof). All capitalized terms used and not otherwise defined herein will have the respective meanings ascribed to such terms in the Purchase Agreement.

FOR GOOD AND VALUABLE CONSIDERATION, as recited in the Purchase Agreement, the receipt and sufficiency of which are hereby acknowledged, effective as of the Closing, on the date hereof, Assignor hereby sells, assigns, transfers, conveys and delivers to Assignee, all right, title and interest of Assignor immediately prior to the Closing in and to the Acquired Intellectual Property, including, without limitation, the Acquired Intellectual Property listed on Schedule A attached hereto (which is incorporated into and made a part of this IP Assignment), together with the right to sue and collect for past, present and future infringement and all goodwill associated with such Acquired Intellectual Property.

Assignor hereby agrees that Assignee shall have the right to register its claims of intellectual property rights in any Acquired Intellectual Property and applications, in its name, in the United States Patent and Trademark Office and its equivalent anywhere in the world.

Assignor for itself, its Affiliates, and its and their successors and assigns, hereby covenants and agrees that, at any time after the Closing, upon the written request of Assignee, Assignor shall execute and deliver, or cause to be executed and delivered, such further instruments and documents as may reasonably be requested by Assignee, to enable Assignee to sell, assign, transfer, or convey its rights in and to any Acquired Intellectual Property.

This IP Assignment is subject to all of the terms, conditions and limitations set forth in the Purchase Agreement (including, but not limited to, the representations, warranties, covenants and indemnities set forth in the Purchase Agreement). In the event of any conflict or inconsistency between the terms of this IP Assignment and the terms of the Purchase Agreement, the terms of the Purchase Agreement shall prevail. Nothing contained herein shall be deemed to alter, modify, expand or diminish the terms of the Purchase Agreement.

This IP Assignment shall be governed by and construed in accordance with the laws of the State of Delaware, without giving effect to any law or rule that would cause the laws of any jurisdiction other than the State of Delaware to be applied.

This IP Assignment may be executed with counterpart signature pages (including by facsimile or electronic transmission), all of which shall be considered one and the same agreement and shall become effective when the counterparts have been signed by each of the parties and delivered to the other party, it being understood that both parties need not sign the same counterpart.

This IP Assignment and the Purchase Agreement (including the exhibits, certificates, schedules and documents delivered pursuant thereto), set forth the entire understanding of the parties and supersede all prior agreements or understandings, whether written or oral, with respect to the subject matter hereof.

* * * * *

IN WITNESS WHEREOF, the undersigned have caused this IP Assignment to be duly executed as of the date first written above.

HONEYWELL INTERNATIONAL INC.

By: Qamar S. Bhatia

Name: Qamar S. Bhatia

Title: Vice President & General Manager, Resins
& Chemicals

SUNOCO, INC. (R&M)

By: _____

Name: David A. Sexton

Title: Vice President

IN WITNESS WHEREOF, the undersigned have caused this IP Assignment to be duly executed as of the date first written above.

HONEYWELL INTERNATIONAL INC.

By: _____
Name: Qamar S. Bhatia
Title: Vice President & General Manager, Resins
& Chemicals

SUNOCO, INC. (R&M)

By: David A. Sexton
Name: David A. Sexton
Title: Vice President

SCHEDULE A

Acquired Intellectual Property

ISSUED PATENTS

High Quality Phenol Rectification With Energy Recovery

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|---------|---------|-----------------|------------------------------|
| 5,131,984 | US | Granted | 23-SEP-2011 | -170 |

Invention: Inhibiting Color Change in Cumene Hydroperoxide

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|---------|---------|-----------------|------------------------------|
| 5,202,498 | US | Granted | 20-APR-2012 | -145 |

Invention: Removal of Acetophenone from Phenol Purification Residues

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|---------|---------|-----------------|------------------------------|
| 5,240,568 | US | Granted | 29-AUG-2011 | -57 |
| 0642487 | EP | Granted | | -51 |

Invention: Phenol with Low Levels of Methylbenzofuran

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|-------------|---------|-----------------|------------------------------|
| 5,414,154 | US | Granted | 06-JUN-2014 | -182 |
| ZL951934511 | China | Granted | 03-MAY-2015 | -171 |
| 0764146 | EP | Granted | | -173 |
| 0764146 | France | Granted | 03-MAY-2015 | -175 |
| 0764146 | Germany | Granted | 03-MAY-2015 | -172 |
| 0764146 | Spain | Granted | 03-MAY-2015 | -174 |
| 0764146 | UK | Granted | 03-MAY-2015 | -176 |
| 191201 | India | Granted | 28-APR-2015 | -177 |
| 2888260 | Japan | Granted | 03-MAY-2015 | -178 |
| 0365103 | Korea | Granted | 03-MAY-2015 | -179 |
| 2134681 | Russian Fed | Granted | 03-MAY-2015 | -180 |
| 408105 | Taiwan | Granted | 11-MAY-2015 | -181 |
| | | | | |

Invention: Improved Method for Production of Phenol and Acetone by Decomposition of Cumene Hydroperoxide

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|-------------|---------|-----------------|---------------------------------|
| 6,201,157 | US | Granted | 10-JAN-2020 | -47 |
| ZL00819286.3 | China | Granted | 19-DEC-2020 | -35 |
| EP1248759 | EP | Granted | | -37 |
| EP1248759 | Belgium | Granted | 19-DEC-2020 | -34 |
| EP1248759 | France | Granted | 19-DEC-2020 | -39 |
| EP1248759 | Germany | Granted | 19-DEC-2020 | -36 |
| EP1248759 | Italy | Granted | 19-DEC-2020 | -42 |
| EP1248759 | Netherlands | Granted | 19-DEC-2020 | -45 |
| EP1248759 | Romania | Granted | 19-DEC-2020 | -46 |
| EP1248759 | Spain | Granted | 19-DEC-2020 | -38 |
| EP1248759 | UK | Granted | 19-DEC-2020 | -40 |
| 200070 | India | Granted | 19-DEC-2020 | -41 |
| 3441723 | Japan | Granted | 19-DEC-2020 | -43 |
| 527418 | Korea | Granted | 19-DEC-2020 | -44 |
| | | | | |

Invention: Method for Purification of Acetone

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|---------|---------|-----------------|---------------------------------|
| 6,303,826 | US | Granted | 19-JAN-2020 | -184 |

Invention: Cumene Synthesis Process Using Purified Benzene and Propylene Feedstock Streams

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|---------|---------|-----------------|---------------------------------|
| 6,355,851 | US | Granted | 22-JUL-2019 | -67 |

Invention: Method for Reducing Methylbenzofuran Levels in High Purity Phenol

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|---------|---------|-----------------|---------------------------------|
| 6,388,144 | US | Granted | 15-JUN-2021 | -4 |
| 209324 | India | Granted | 26-MAR-2022 | -1 |
| 549559 | Korea | Granted | 26-MAR-2022 | -2 |
| I229663 | Taiwan | Granted | 07-APR-2022 | -3 |
| | | | | |

Invention: Optimization of Caustic Usage

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: |
|---------------------------------|---------|--------|-----------------|----------------------|
|---------------------------------|---------|--------|-----------------|----------------------|

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|--------------|--------|---------|-------------|---------|
| | | | | E9427 - |
| 6,667,178 | US | Granted | 18-MAY-2022 | -65 |
| ZL02801539.8 | China | Granted | 26-MAR-2022 | -59 |
| (02723625.6) | EP | Pending | | -60 |
| 203,773 | India | Granted | 26-MAR-2022 | -61 |
| 3711110 | Japan | Granted | 26-MAR-2022 | -62 |
| 543580 | Korea | Granted | 26-MAR-2022 | -63 |
| 593253 | Taiwan | Granted | 08-APR-2022 | -64 |
| | | | | |

Invention: Method for Removal of Acetol from Phenol

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|----------|---------|--------------------|---------------------------------|
| 7,002,048 | US | Granted | 12-APR-2022 | -22 |
| (05712610.4) | EP | Pending | | -16 |
| (588/CHENP/2007) | India | Pending | | -17 |
| (2007-525594) | Japan | Pending | | -18 |
| (2007-7005426) | Korea | Pending | | -19 |
| (0501000828) | Thailand | Pending | | -20 |
| I261587 | Taiwan | Granted | 05-FEB-2025 | -21 |
| | | | | |

Invention: Method for Removal of Acetol from Phenol

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|----------|---------|--------------------|---------------------------------|
| 7,034,192 | US | Granted | 09-AUG-2024 | -13 |
| (200580008935.3) | China | Pending | | -6 |
| (05712667.4) | EP | Pending | | -7 |
| (3486/CHENP/2006) | India | Pending | | -8 |
| (2007-504949) | Japan | Pending | | -9 |
| (0501000767) | Thailand | Pending | | -11 |
| I266642 | Taiwan | Granted | 05-FEB-2025 | -12 |
| | | | | |

Invention: Water Diluted Cumene Hydroperoxide Solutions

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|---------|---------|--------------------|---------------------------------|
| 7,049,474 | US | Granted | 12-SEP-2020 | -148 |

Invention: Method and Apparatus for In-Process Handling of Cumene Hydroperoxide with Improved Safety

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|----------|---------|--------------------|---------------------------------|
| (2006-552118) | Korea | Allowed | | -164 |
| (0501000163) | Thailand | Pending | | -165 |
| I264431 | Taiwan | Granted | 17-JAN-2025 | -166 |

Invention: Decomposition of Cumene Oxidation Product

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|---------|---------|--------------------|---------------------------------|
| 7,166,752 | US | Granted | 11-OCT-2011 | -158 |
| (09/865,190) | US | Pending | | -157 |

Invention: Process for Recovery of Cumene Hydroperoxide Decomposition Products by Distillation

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|----------|-----------|--------------------|---------------------------------|
| 7,186,866 | US | Granted | 14-NOV-2025 | -32 |
| (PCT/US06/043848) | PCT | Completed | | -33 |
| 200680042369.2 | China | Pending | | -25 |
| (06827726.8) | Europe | Pending | | -26 |
| t/b/a | India | Pending | | -27 |
| (2008-541241) | Japan | Pending | | -28 |
| (2008-7011173) | S. Korea | Pending | | -29 |
| (95136938) | Taiwan | Pending | | -31 |
| (0601005548) | Thailand | Pending | | -30 |

Invention: Two-Stage Cleavage of Cumene Hydroperoxide

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|---------|---------|--------------------|---------------------------------|
| 5,245,090 | US | Granted | 11-SEP-2012 | -146 |

Invention: Recovery of Phenol from Low Concentrations with Sodium Sulfate

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|---------|---------|--------------------|---------------------------------|
| 5,344,528 | US | Granted | 04-AUG-2013 | -147 |

Invention: Method for Recovery of Phenol from Aqueous Streams

| Patent No. | Country | Status | Expiration | Sunoco |
|------------|---------|--------|------------|--------|
|------------|---------|--------|------------|--------|

| (Application No.) | | | Date | Docket No: E9427 - |
|-------------------|----|---------|-------------|-----------------------|
| 6,620,980 | US | Granted | 12-APR-2022 | -159 |

Invention: Calcium Chloride Purification

| Patent No. (Application No.) | Country | Status | Expiration Date | Sunoco Docket No: E9427 - |
|---------------------------------|---------|---------|--------------------|---------------------------------|
| 7,037,480 | US | Granted | 22-Oct-2024 | -156 |

PATENT APPLICATION

Invention: Method for the Decomposition of Cumene Hydroperoxide

| Patent No. (Application No.) | Country | Status | Expiration Date |
|---------------------------------|---------|---------|--------------------|
| 12/797,321 | US | Pending | -- |

INVENTION DISCLOSURE

Invention Record entitled "Amine MOI Process entitled: Removal of Undesirable Impurities in Distillation Mixtures of acetone, water, AMS Phenol and Cumene" and draft patent application with claims entitled "Improved Method for Production of Phenol and Acetone from Cumene"

| Document No | Country | Status | Expiration Date |
|------------------------|---------|--------|--------------------|
| PHLEGAL: #724952 v1 | U.S. | -- | -- |