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- (71) Applicant (for all designated States except US): **DOW AGROSCIENCES LLC** [US/US]; 9330 Zionsville Road, Indianapolis, IN 46268 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BLAND, Douglas C.** [US/US]; 331 Broadhead Drive, Midland, MI 48642 (US). **TOYZAN, Todd William** [US/US]; 8676 Winding Brook Circle, Freeland, MI 48623 (US).
- (74) Agent: **CORVIN, Carl**; Dow AgroSciences LLC, 9330 Zionsville Rd, Indianapolis, Indiana 46268 (US).
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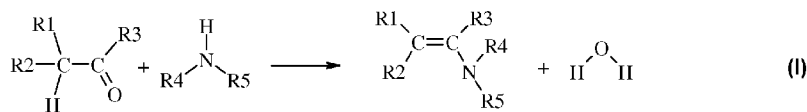
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(54) Title: PROCESSES FOR THE PREPARATION OF ENAMINES



(57) Abstract: The invention disclosed in this document is related to the field of processes for the preparation of enamines wherein R1, R2, R3, R4, R5, and further information are disclosed herein.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 11/61981

| <p>A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A01N 43/42 (2012.01) USPC - 514/300 According to International Patent Classification (IPC) or to both national classification and IPC</p> | | | | | | | | | | | | | | |
|---|---|---|---|---|-----------------------|---|---|------|---|---|------|---|---|------|
| <p>B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC(8): A01N 43/42 (2012.01) USPC: 514/300</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 564/319, 316, 431; 546/122 (text search) Find search terms below</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWEST (PGPB,USPT,EPAB,JPAB), Google Scholar enamine, synthesis\$, prepar\$, produc\$, manufactur\$, benzene, toluene, xylene, azetrop\$, \$butanal, \$butyraldehyde, pyrrolidine, reduced pressure, low pressure</p> | | | | | | | | | | | | | | |
| <p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Category*</th> <th style="width:70%;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="width:20%;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td align="center">Y</td> <td>US 2010/0004457 A1 (BLAND et al.) 07 January 2010 (07.01.2010) para [0059]-[0060]</td> <td align="center">1-25</td> </tr> <tr> <td align="center">Y</td> <td>US 3,865,791 A (BRINKMANN et al.) 11 February 1975 (11.02.1975) col 8, ln 14-60</td> <td align="center">1-25</td> </tr> <tr> <td align="center">Y</td> <td>US 6,353,118 B1 (SIMON et al.) 05 March 2002 (05.03.2002) col 1, ln 29-36</td> <td align="center">1-25</td> </tr> </tbody> </table> | | | Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. | Y | US 2010/0004457 A1 (BLAND et al.) 07 January 2010 (07.01.2010) para [0059]-[0060] | 1-25 | Y | US 3,865,791 A (BRINKMANN et al.) 11 February 1975 (11.02.1975) col 8, ln 14-60 | 1-25 | Y | US 6,353,118 B1 (SIMON et al.) 05 March 2002 (05.03.2002) col 1, ln 29-36 | 1-25 |
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| <p>Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201</p> | | <p>Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774</p> | | | | | | | | | | | | |