

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
7 February 2008 (07.02.2008)

PCT

(10) International Publication Number  
**WO 2008/016805 A3**

(51) International Patent Classification:  
*C11D 17/00* (2006.01) *B01F 1/00* (2006.01)  
*C11D 17/08* (2006.01)

(21) International Application Number:  
PCT/US2007/074231

(22) International Filing Date: 24 July 2007 (24.07.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/834,623 1 August 2006 (01.08.2006) US  
11/781,450 23 July 2007 (23.07.2007) US

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(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:  
— with international search report  
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
3 April 2008



WO 2008/016805 A3

(54) Title: COMPOSITION OF LACTATE ESTERS WITH ALCOHOLS WITH LOW ODOR AND ENHANCED PERFORMANCE

(57) Abstract: A solvent composition of about 90 to about 10 percent by weight C<sub>1</sub>-C<sub>4</sub> lactate ester and about 10 to about 90 percent by weight C<sub>2</sub>-C<sub>6</sub> aliphatic alcohol with low odor and enhanced performance properties is disclosed. This composition can also be mixed with other solvents and continue to provide the low odor and enhanced performance properties.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/74231

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC(8) - C11D 17/00, 17/08; B01F 1/00 (2007.10)  
 USPC - 510/407  
 According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**  
 Minimum documentation searched (classification system followed by classification symbols)  
 USPC: 510/407

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 USPC: 252/364 (see search terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 Electronic Databases Searched: USPTO WEST (PGPUB, EPAB, JPAB, USPT); Google Scholar, Google patents. Search Terms Used: solvent composition, co-solvent, ethyl lactate or lactate ester, limonene, ethanol or propanol or butanol or pentanol or hexanol, solvent composition, alcohol, odor, alcohol, ketone or acetone, odor

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2006/065935 A2 (Rathin et al.) 22 June 2006 (22.06.2006) entire document, especially pg 5, para [0001]-[0005]	1-20
Y	US 6,096,699 A (Bergemann et al.) 01 August 2000 (01.08.2000) entire document, especially col 1, ln 25; col 2, ln 10-12; col 3, ln 14-18, ln 46-47; col 4, ln 36-49, ln 54	1-20
A	US 2003/0171241 A1 (Henneberry et al. ) 11 September 2003 (11.09.2003) entire document	1-20

Further documents are listed in the continuation of Box C.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search 28 November 2007 (28.11.2007)	Date of mailing of the international search report <b>31 JAN 2008</b>
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