

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
2 February 2006 (02.02.2006)

PCT

(10) International Publication Number
WO 2006/012096 A1

- (51) International Patent Classification⁷: **C09K 5/00**
- (21) International Application Number:
PCT/US2005/021800
- (22) International Filing Date: 21 June 2005 (21.06.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/584,785 29 June 2004 (29.06.2004) US
11/152,732 14 June 2005 (14.06.2005) 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, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, 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, MC, 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
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: 1,1,1,2,2,3,3,4,4-NANOFLUORO-4-METHOXYBUTANE REFRIGERANT COMPOSITIONS COMPRISING FUNCTIONALIZED ORGANIC COMPOUNDS AND USES THEREOF

(57) Abstract: The present invention relates to compositions for use in refrigeration and air-conditioning systems comprising 1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxybutane and at least one chlorocarbon, alcohol, ether, ester, N-(difluoromethyl)-N,N-dimethylamine, or mixtures thereof. Further, the present invention relates to compositions for use in refrigeration and air-conditioning systems employing a centrifugal compressor comprising 1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxybutane and at least one chlorocarbon, alcohol, ether, ester, N-(difluoromethyl)-N,N-dimethylamine, or mixtures thereof. The compositions of the present invention may be azeotropic or near-azeotropic and are useful in processes for producing cooling or heat or as heat transfer fluids.



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