

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 July 2006 (06.07.2006)

PCT

(10) International Publication Number
WO 2006/071214 A1

(51) International Patent Classification:
C08J 9/04 (2006.01) *C08J 9/12* (2006.01)

(21) International Application Number:
PCT/US2004/043352

(22) International Filing Date:
22 December 2004 (22.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **ALBEMARLE CORPORATION** [US/US]; 451 Florida Street, Baton Rouge, LA 70801-1765 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MAXWELL, Kimberly, A.** [US/US]; 2100 College Drive, Apt. 38, Baton Rouge, LA 70808 (US). **LAYMAN, William, J., Jr.** [US/US]; 3265 White Shadows Drive, Baton Rouge, LA 70816 (US).

(74) Agents: **SPIELMAN, Edgar, E., Jr.** et al.; Albemarle Corporation, 451 Florida Street, Baton Rouge, LA 70801 (US).

(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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, 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.

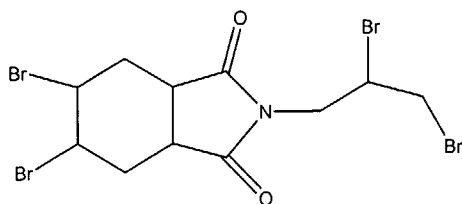
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, 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

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: FLAME RETARDANT EXTRUDED POLYSTYRENE FOAM COMPOSITIONS



(I)

(57) Abstract: Extrudable polystyrene foam compositions having flame retardant properties, flame retardant extruded polystyrene foams, methods of making such foams, and products comprising such compositions and foams are provided. A flame-retarded extruded polystyrene foam contains a flame retardant compound having the structure: Formula (I)

WO 2006/071214 A1