

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau20004872-9
IPDS copy

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: A62D 1/00, C08J 9/28, C09K 21/00	A1	(11) International Publication Number: WO 99/43390 (43) International Publication Date: 2 September 1999 (02.09.99)
(21) International Application Number: PCT/US98/03865 (22) International Filing Date: 28 February 1998 (28.02.98) (71) Applicant: NO FIRE TECHNOLOGIES, INC. [US/US]; 21 Industrial Avenue, Upper Saddle River, NJ 07458 (US). (72) Inventor: GOTTFRIED, Samuel; 3225 Johnson Avenue, Riverdale, NY 10463 (US). (74) Agent: SUTTON, Ezra; Plaza 9, 900 Route 9, Woodbridge, NJ 07095 (US).		(81) Designated States: AT, AU, BB, BG, BR, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU, IL, IS, JP, KP, KR, LK, LR, LU, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TR, TT, UA, VN, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: INTUMESCENT FIRE-RETARDANT COMPOSITION FOR HIGH TEMPERATURE AND LONG DURATION PROTECTION (57) Abstract A fire-retardant coating material including a fluid intumescent base material having a foaming agent, a blowing agent, a charring agent, a binding agent, a solvent, and a pigment. The coating material further includes a flame spread reduction agent; refractory fibers dispersed in the fluid intumescent base material; an oxidation reduction agent; a thermal transmission reduction agent; a stabilizer and volatile organic reduction component; a mechanical enhancer component for physical impact resistance and adhesion; a water-resistance agent; and an elasticity agent to increase resistance to cracking and shrinking, and to improve ease of spraying.		