

Title (en)
FLAME RETARDANTS AND METHOD OF USE

Publication
EP 0357421 A3 19910502 (EN)

Application
EP 89308815 A 19890831

Priority
• GB 8820529 A 19880831
• GB 8820530 A 19880831
• GB 8820658 A 19880901
• GB 8820659 A 19880901

Abstract (en)
[origin: EP0357421A2] Aqueous compositions imparting semi durable flame retardant properties to cellulosic substrates contain an ammonium or organic quaternary ammonium condensed phosphate and a dispersion of a fluoropolymer and preferably a carbamic acid derivative such as urea. The substrate are impregnated and cured at 120-170 DEG C.

IPC 1-7
D06M 15/277; **D06M 11/72**; **D06M 13/432**

IPC 8 full level
D06M 11/72 (2006.01); **D06M 13/432** (2006.01); **D06M 15/277** (2006.01)

CPC (source: EP)
D06M 11/72 (2013.01); **D06M 13/432** (2013.01); **D06M 15/277** (2013.01)

Citation (search report)
• [Y] GB 1529261 A 19781018 - INT PAPER CO
• [Y] US 3529995 A 19700922 - SMITH SAMUEL, et al
• [A] GB 1081959 A 19670906 - KUHLMANN ETS
• [Y] WPI, FILE SUPPLIER, DERWENT PUBLICATIONS LTD.;, LONDON, GB; & JP-A-51 130 400 (MATSUSHITA ELEC IND KK) 13-11-1976

Cited by
EP0449159A3; EP0676220A1; EP0460516A3; EP0656438A1; AU2012323990B2; CN104995246A; EP2841495A4; EP3098259A1; US9675998B2; WO0244470A1; WO2011026671A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0357421 A2 19900307; **EP 0357421 A3 19910502**; CA 1336996 C 19950912; DK 428189 A 19900301; DK 428189 D0 19890830; FI 894096 A0 19890831; FI 894096 A 19900301; GB 2222407 A 19900307; GB 2222407 B 19920401; GB 8919733 D0 19891011; HU 207127 B 19930301; HU T51345 A 19900428; NO 180596 B 19970203; NO 180596 C 19970514; NO 893474 D0 19890830; NO 893474 L 19900301

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EP 89308815 A 19890831; CA 609809 A 19890830; DK 428189 A 19890830; FI 894096 A 19890831; GB 8919733 A 19890831; HU 450089 A 19890830; NO 893474 A 19890830