

Title (en)
FLAME-PROOFING COMPOSITIONS

Publication
EP 0525081 A4 19930428 (EN)

Application
EP 91908619 A 19910418

Priority
GB 9008652 A 19900418

Abstract (en)
[origin: WO9116402A1] Compositions are disclosed for imparting flame-retardant properties to a wide variety of materials including cellulosic materials, such as paper, cotton and wood, and polymeric materials, such as fabrics and other textile articles made from both synthetic and non-synthetic polymers. The compositions are particularly suitable for use on fabrics made from blends of synthetic and non-synthetic fibers, such as polyester silk of the type used in synthetic foliage and artificial flowers. The compositions are aqueous based and comprise an inorganic, flame-retardant ammonium salt and a second component selected from: organic phosphate ester-acids and salts thereof, wherein the ester-acid is an ester of an alkoxyated aliphatic alcohol and phosphoric acid; organic phosphonates and salts thereof; and mixtures of the organic phosphate ester-acids and organic phosphonates and their salts. The compositions are applied by conventional means, such as immersion of the article to be treated, spraying, painting and roller coating.

IPC 1-7
C09K 21/00; C09D 5/16; C09D 5/18

IPC 8 full level
C09K 21/12 (2006.01); **D06M 11/13** (2006.01); **D06M 13/288** (2006.01); **D06M 13/292** (2006.01); **D06M 13/447** (2006.01); **D21H 17/10** (2006.01); **D21H 17/66** (2006.01); **D21H 21/34** (2006.01)

CPC (source: EP)
C09K 21/12 (2013.01); **D06M 11/13** (2013.01); **D06M 13/288** (2013.01); **D06M 13/292** (2013.01); **D06M 13/447** (2013.01); **D21H 17/10** (2013.01); **D21H 17/66** (2013.01); **D21H 21/34** (2013.01)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 9116402A1

Designated contracting state (EPC)
CH DE DK FR GB IT LI NL

DOCDB simple family (publication)
WO 9116402 A1 19911031; AU 7779391 A 19911111; CA 2019325 A1 19911018; EP 0525081 A1 19930203; EP 0525081 A4 19930428; GB 9008652 D0 19900613

DOCDB simple family (application)
US 9102649 W 19910418; AU 7779391 A 19910418; CA 2019325 A 19900619; EP 91908619 A 19910418; GB 9008652 A 19900418