

Title (en)
FLAME-RESISTANT COTTON BLEND FABRICS.

Title (de)
FLAMMWIDRIGE BAUMWOLLMISCHGEWEBE.

Title (fr)
TISSUS EN COTON MELANGE RESISTANT AUX FLAMMES.

Publication
EP 0325610 B1 19940406

Application
EP 87906715 A 19870925

Priority
• US 8702432 W 19870925
• US 91172086 A 19860926
• US 92396586 A 19861028

Abstract (en)
[origin: WO8802283A1] Polyester/cotton and nylon/cotton blends are rendered flame-resistant in single or a two step process in which a THP salt/prepolymer condensate of urea is applied, exposed to ammonia, then oxidized to form a polymer network in the cotton fibers, and a cyclic phosphonate ester or hexabromocyclododecane is applied to impart flame resistance to the nylon or polyester fibers. Flame-resistant cotton/synthetic blended fabrics having excellent hand and washfastness result.

IPC 1-7
D06M 13/244; **D06M 13/282**; **D06M 13/432**; **D06M 15/43**

IPC 8 full level
D06M 13/02 (2006.01); **D06M 13/08** (2006.01); **D06M 13/244** (2006.01); **D06M 13/282** (2006.01); **D06M 13/288** (2006.01); **D06M 13/292** (2006.01); **D06M 13/322** (2006.01); **D06M 13/402** (2006.01); **D06M 13/432** (2006.01); **D06M 15/431** (2006.01); **D06M 15/673** (2006.01); **D06M 101/00** (2006.01); **D06M 101/02** (2006.01); **D06M 101/06** (2006.01); **D06M 101/08** (2006.01); **D06M 101/16** (2006.01); **D06M 101/30** (2006.01); **D06M 101/32** (2006.01); **D06M 101/34** (2006.01)

CPC (source: EP)
D06M 13/288 (2013.01); **D06M 15/431** (2013.01)

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

DOCDB simple family (publication)
WO 8802283 A1 19880407; AU 603391 B2 19901115; AU 8071687 A 19880421; DE 3789553 D1 19940511; DK 289288 A 19880526; DK 289288 D0 19880526; EP 0325610 A1 19890802; EP 0325610 A4 19910410; EP 0325610 B1 19940406; JP H02500454 A 19900215; NO 173790 B 19931025; NO 173790 C 19940202; NO 882310 D0 19880525; NO 882310 L 19880725

DOCDB simple family (application)
US 8702432 W 19870925; AU 8071687 A 19870925; DE 3789553 T 19870925; DK 289288 A 19880526; EP 87906715 A 19870925; JP 50611887 A 19870925; NO 882310 A 19880525