

Title (en)

TEXTILE FASTENER MADE FROM FLAME-RESISTANT POLYESTER MONOFILAMENTS

Publication

**EP 0403970 A3 19911106 (DE)**

Application

**EP 90111308 A 19900615**

Priority

DE 8907504 U 19890620

Abstract (en)

[origin: CA2019312A1] - 1 - HOE 89/F 194 of the disclosure Textile fastener made of flame resistant polyester monofilaments A textile fastener consists of monofilaments (12, 14; 22, 28) made of polyesters which have been formed from dicarboxylic acid and diol components and into which a flame retardant has been incorporated. The flame retardant is present in the polyester chains as copolymerized elements having the structural units of the general formula where R is alkylene, arylene or aralkylene and R1 is alkyl, aryl or aralkyl.

IPC 1-7

**D01F 1/07**; **A44B 18/00**; **A44B 19/00**

IPC 8 full level

**A44B 18/00** (2006.01); **A44B 19/00** (2006.01); **D01F 1/07** (2006.01); **D01F 1/10** (2006.01); **D01F 6/62** (2006.01); **D01F 6/84** (2006.01); **D01F 6/92** (2006.01)

CPC (source: EP US)

**A44B 18/0069** (2013.01 - EP US); **A44B 18/0092** (2013.01 - EP US); **D01F 1/07** (2013.01 - EP US); **D01F 6/84** (2013.01 - EP US); **Y10S 428/92** (2013.01 - EP US); **Y10S 428/921** (2013.01 - EP US); **Y10T 24/2733** (2015.01 - EP US); **Y10T 428/24008** (2015.01 - EP US); **Y10T 428/24017** (2015.01 - EP US)

Citation (search report)

- [YD] DE 2346787 A1 19750327 - HOECHST AG
- [Y] DE 2153945 A1 19730503 - BAYER AG
- [Y] US 4088677 A 19780509 - KLEINER HANS-JERG
- [Y] US 3594873 A 19710727 - HOCKMEYER CLIVE E JR, et al
- [A] DE 2531622 A1 19760205 - TEIJIN LTD
- [A] US 4111647 A 19780905 - SCHLEIFSTEIN ROBERT

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

**DE 8907504 U1 19890914**; CA 2019312 A1 19901220; DE 59010713 D1 19970612; EP 0403970 A2 19901227; EP 0403970 A3 19911106; EP 0403970 B1 19970507; JP H0330705 A 19910208; US 5176944 A 19930105

DOCDB simple family (application)

**DE 8907504 U 19890620**; CA 2019312 A 19900619; DE 59010713 T 19900615; EP 90111308 A 19900615; JP 16116090 A 19900619; US 53978490 A 19900618