

Title (en)

FLAME-RESISTANT CLOSURE

Title (de)

FLAMMHEMMENDER VERSCHLUSS

Title (fr)

Fermeture ignifugée

Publication

EP 1973440 B1 20110309 (DE)

Application

EP 06829189 A 20061130

Priority

- EP 2006011477 W 20061130
- DE 102006002339 A 20060118
- DE 202006002409 U 20060118

Abstract (en)

[origin: US2009036013A1] The invention relates to a flame-resistant closure comprising at least one closing part having at least one two-dimensional backing fabric (14) from warp threads (10) and weft threads (12) and having functional threads (16) on the right side of the backing fabric (14) that at least partially extend through the backing fabric (14) and that form the closing elements (18). The backing fabric (14) is of the non-flame-resistant type and at least some sections of its reverse side comprise a substrate layer (32) with a hardly inflammable medium and/or with an active extinguishing medium. The closure according to the invention meets even high demands on low inflammability.

IPC 8 full level

A44B 18/00 (2006.01)

CPC (source: EP US)

A44B 18/0023 (2013.01 - EP US); **A44B 18/0073** (2013.01 - EP US); **A44B 18/0092** (2013.01 - EP US); **Y10T 428/24008** (2015.01 - EP US); **Y10T 428/24017** (2015.01 - EP US); **Y10T 442/3976** (2015.04 - EP US)

Cited by

DE102013022112A1; EP4372370A1; WO2015096877A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2009036013 A1 20090205; US 7670663 B2 20100302; AT E500761 T1 20110315; DE 202006002409 U1 20060420; DE 502006009076 D1 20110421; EP 1973440 A2 20081001; EP 1973440 B1 20110309; EP 2301373 A2 20110330; EP 2301373 A3 20150325; EP 2301373 B1 20160608; EP 2322049 A2 20110518; EP 2322049 A3 20150325; ES 2589783 T3 20161116; PL 1973440 T3 20110831; PL 2301373 T3 20161230; WO 2007082570 A2 20070726; WO 2007082570 A3 20071018

DOCDB simple family (application)

US 8766206 A 20061130; AT 06829189 T 20061130; DE 202006002409 U 20060118; DE 502006009076 T 20061130; EP 06829189 A 20061130; EP 11000250 A 20061130; EP 11001356 A 20061130; EP 2006011477 W 20061130; ES 11000250 T 20061130; PL 06829189 T 20061130; PL 11000250 T 20061130