

Title (en)

Fire barrier composed of non-woven fibre structures.

Title (de)

Flammbariere aus Vliesstoff.

Title (fr)

Barrière contre les flammes composée de nappes non tissées.

Publication

EP 0447605 A1 19910925 (DE)

Application

EP 90113029 A 19900707

Priority

DE 4009357 A 19900323

Abstract (en)

A fire barrier composed of non-woven material made of partially graphited polyacrylonitrile fibres is a component of a flat laminated structure, the non-woven material being consolidated with high-energy water jets and having a surface weight of 40 to 100 g/m² and its fibres not containing any impregnation.

Abstract (de)

Eine Flammbariere aus Vliesstoff aus teilgraphitierten Polyacrylnitril-Fasern ist Bestandteil eines flächigen Mehrschichtgebildes, wobei der Vliesstoff mit hochenergetischen Wasserstrahlen verfestigt ist und ein Flächengewicht von 40 bis 100 g/m² aufweist und wobei seine Fasern keine Imprägnierung aufweisen.

IPC 1-7

D04H 1/42; **D04H 13/00**

IPC 8 full level

A41D 13/00 (2006.01); **B32B 5/08** (2006.01); **B32B 7/12** (2006.01); **B60R 13/02** (2006.01); **C09K 21/02** (2006.01); **C09K 21/14** (2006.01); **D04H 1/42** (2012.01); **D04H 1/4242** (2012.01); **D04H 1/43** (2012.01); **D04H 1/492** (2012.01); **D04H 3/04** (2012.01); **D04H 13/00** (2006.01)

CPC (source: EP US)

D04H 1/4242 (2013.01 - EP US); **D04H 1/43** (2013.01 - EP US); **D04H 1/4374** (2013.01 - EP US); **D04H 1/43835** (2020.05 - EP US); **D04H 1/492** (2013.01 - EP US); **D04H 3/04** (2013.01 - EP US); **D04H 13/00** (2013.01 - EP US); **D10B 2331/021** (2013.01 - EP US); **Y10S 428/92** (2013.01 - EP US); **Y10S 428/921** (2013.01 - EP US); **Y10T 428/24033** (2015.01 - EP US); **Y10T 428/27** (2015.01 - EP US); **Y10T 442/2672** (2015.04 - EP US); **Y10T 442/671** (2015.04 - EP US); **Y10T 442/689** (2015.04 - EP US)

Citation (search report)

- [A] EP 0336464 A2 19891011 - DOW CHEMICAL CO [US]
- [A] EP 0195545 A2 19860924 - EARLY S OF WITNEY PLC [GB]
- [A] EP 0314244 A2 19890503 - DOW CHEMICAL CO [US]
- [A] EP 0323763 A1 19890712 - DUFLLOT & FILS [FR]

Cited by

US5609950A; US5766746A; WO9614461A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0447605 A1 19910925; **EP 0447605 B1 19940928**; AT E112333 T1 19941015; DE 4018727 A1 19910926; DE 4018727 C2 19941006; DE 59007344 D1 19941103; DK 0447605 T3 19941024; ES 2060872 T3 19941201; JP H04221628 A 19920812; JP H0671778 B2 19940914; US 5279878 A 19940118

DOCDB simple family (application)

EP 90113029 A 19900707; AT 90113029 T 19900707; DE 4018727 A 19900612; DE 59007344 T 19900707; DK 90113029 T 19900707; ES 90113029 T 19900707; JP 5846291 A 19910322; US 64908291 A 19910201