

Title (en)

FLAME-RETARDANT FIBER COMPOSITE AND FABRIC PRODUCED THEREFROM

Title (de)

FLAMMFESTER FASERVERBUND SOWIE DARAUS HERGESTELLTES TEXTILES FLÄCHENGEBILDE

Title (fr)

COMPOSITE EN FIBRE IGNIFUGE ET TISSU DERIVE

Publication

**EP 1619278 B1 20090610 (EN)**

Application

**EP 04728234 A 20040419**

Priority

- JP 2004005583 W 20040419
- JP 2003123269 A 20030428
- JP 2003125162 A 20030430
- JP 2003125161 A 20030430

Abstract (en)

[origin: EP1619278A1] The present invention relates to a flame resistant fiber composite obtained by compounding: 20 to 85% by weight of a fiber (A) containing 0.5 to 50 parts by weight of an Sb compound to 100 parts by weight of a polymer containing halogen atom of not less than 17% by weight; 5 to 80% by weight of a heat-resistant fiber (B); 0 to 40% by weight of a cellulosic fiber (C); and 0 to 40% by weight of an inflammable fiber (D). Use of the composite in furniture, beddings, etc. in house increasingly improves flame resistance of materials, enabling use in fields requiring advanced flame resistance.

IPC 8 full level

**D02G 3/04** (2006.01); **D04H 1/42** (2012.01); **D04H 1/425** (2012.01); **D04H 1/4258** (2012.01); **D04H 1/4326** (2012.01); **D04H 1/4334** (2012.01); **D04H 1/4342** (2012.01); **D04H 1/435** (2012.01)

CPC (source: EP KR US)

**D02G 3/04** (2013.01 - KR); **D02G 3/443** (2013.01 - EP US); **D04H 1/425** (2013.01 - EP KR US); **D04H 1/4266** (2013.01 - EP US); **D04H 1/4282** (2013.01 - KR); **D04H 1/43** (2013.01 - EP US); **D04H 1/4326** (2013.01 - KR); **D04H 1/4334** (2013.01 - EP US); **D04H 1/4342** (2013.01 - EP US); **D04H 1/43835** (2020.05 - EP US); **Y10T 442/696** (2015.04 - EP US); **Y10T 442/697** (2015.04 - EP US); **Y10T 442/698** (2015.04 - EP US)

Cited by

EP1944156A1; CN101787599A; US9091000B2; US7786031B2; WO2013151753A1; WO2008094406A1

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