

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 A1 20060125 (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)
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 1-7
D02G 3/04; D04H 1/42

IPC 8 full level
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

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1619278 A1 20060125; EP 1619278 A4 20060920; EP 1619278 B1 20090610; AT E433509 T1 20090615; CA 2523378 A1 20041111; CN 1806071 A 20060719; CN 1806071 B 20110831; DE 602004021484 D1 20090723; ES 2326170 T3 20091002; JP 4308820 B2 20090805; JP WO2004097088 A1 20060713; KR 20060007032 A 20060123; MX PA05011334 A 20060130; US 2006234592 A1 20061019; WO 2004097088 A1 20041111

DOCDB simple family (application)
EP 04728234 A 20040419; AT 04728234 T 20040419; CA 2523378 A 20040419; CN 200480016350 A 20040419; DE 602004021484 T 20040419; ES 04728234 T 20040419; JP 2004005583 W 20040419; JP 2005505844 A 20040419; KR 20057020164 A 20051024; MX PA05011334 A 20040419; US 55448805 A 20051024