

Title (en)
FLAME RESISTANT FIBER BLENDS

Title (de)
FLAMMWIDRIGE FASERMISCHUNGEN

Title (fr)
MELANGES DE FIBRES RESISTANTES AU FEU

Publication
EP 1861524 B1 20120404 (EN)

Application
EP 05858690 A 20051130

Priority
• US 2005043173 W 20051130
• US 153904 A 20041130
• US 66062005 P 20050311

Abstract (en)
[origin: WO2007061423A2] A flame resistant (FR) fiber blend comprises amorphous silica fibers; and at least one fiber selected from the group consisting of FR fibers, binder fibers and mixtures thereof. A barrier fabric, manufactured from a blend of fibers comprises amorphous silica fibers; and at least one fiber selected from the group consisting of flame resistant (FR) fibers, binder fibers and mixtures thereof. A flame resistant fabric, manufactured from a blend of fibers comprises amorphous silica fibers; and at least one fiber selected from the group consisting of flame resistant (FR) fibers, binder fibers and mixtures thereof. A process for protecting materials in a product from fire and heat comprises assembling a flame resistant fabric adjacent to at least one component that comprises a material susceptible to damage due to exposure to fire and heat, occasioned by exposure to open flames.

IPC 8 full level
D04H 1/00 (2006.01); **D04H 1/42** (2012.01); **D04H 1/46** (2012.01); **D04H 1/48** (2012.01); **D04H 1/54** (2012.01); **D04H 1/74** (2006.01)

CPC (source: EP KR US)
D01F 2/00 (2013.01 - KR); **D01F 2/06** (2013.01 - KR); **D01F 6/00** (2013.01 - KR); **D01F 6/02** (2013.01 - KR); **D01F 6/06** (2013.01 - KR); **D01F 8/00** (2013.01 - KR); **D01F 9/08** (2013.01 - KR); **D02G 3/04** (2013.01 - EP); **D02G 3/443** (2013.01 - EP); **D03D 15/513** (2021.01 - EP US); **D04H 1/4209** (2013.01 - EP); **D04H 1/43** (2013.01 - EP); **D04H 1/43828** (2020.05 - EP US); **D04H 1/4383** (2020.05 - EP US); **D04H 1/43832** (2020.05 - EP US); **D04H 1/43835** (2020.05 - EP US); **D04H 1/43838** (2020.05 - EP US); **D04H 1/46** (2013.01 - EP); **D04H 1/48** (2013.01 - EP); **D04H 1/5412** (2020.05 - EP US); **D04H 1/5414** (2020.05 - EP US); **D04H 1/5416** (2020.05 - EP US); **D04H 1/5418** (2020.05 - EP US); **D04H 1/555** (2013.01 - EP); **D04H 1/74** (2013.01 - EP); **D10B 2101/14** (2013.01 - EP)

Cited by
CN105420868A; US11441251B2; US11434068B2; EP3315184A3; WO2018098335A1; US10167137B2; US10590577B2; US10300422B2; EP3315184B1

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
WO 2007061423 A2 20070531; **WO 2007061423 A3 20071206**; AT E552368 T1 20120415; AU 2005338024 A1 20070621; AU 2005338024 A8 20081218; AU 2005338024 B2 20110721; BR PI0516642 A 20080916; BR PI0516642 B1 20160830; CA 2589863 A1 20070531; CA 2589863 C 20140819; DK 1861524 T3 20120529; EP 1861524 A2 20071205; EP 1861524 A4 20100519; EP 1861524 B1 20120404; ES 2385391 T3 20120724; IL 183618 A0 20090211; IL 183618 A 20140130; JP 2008522056 A 20080626; JP 5312794 B2 20131009; KR 101341293 B1 20131212; KR 20070100262 A 20071010

DOCDB simple family (application)
US 2005043173 W 20051130; AT 05858690 T 20051130; AU 2005338024 A 20051130; BR PI0516642 A 20051130; CA 2589863 A 20051130; DK 05858690 T 20051130; EP 05858690 A 20051130; ES 05858690 T 20051130; IL 18361807 A 20070531; JP 2007546712 A 20051130; KR 20077015059 A 20051130