

Title (en)

HIGH TEMPERATURE RESISTANT INORGANIC FIBER

Title (de)

HOCHTEMPERATURBESTÄNDIGE ANORGANISCHE FASER

Title (fr)

FIBRE INORGANIQUE RÉSISTANT AUX TEMPÉRATURES ÉLEVÉES

Publication

EP 2794982 A1 20141029 (EN)

Application

EP 12860154 A 20121219

Priority

- US 201161577320 P 20111219
- US 2012070660 W 20121219

Abstract (en)

[origin: WO2013096471A1] Provided is an inorganic fiber containing silica and magnesia as the major fiber components which further includes a phosphate additive to the melt of fiber ingredients, or as a coating on the surfaces of the fiber, or both. The inorganic fiber exhibits improved thermal performance properties and is non-durable in physiological fluids. Also provided are methods of preparing the inorganic fiber and of thermally insulating articles using thermal insulation prepared from a plurality of the inorganic fibers.

IPC 8 full level

D06M 13/282 (2006.01); **C03C 13/00** (2006.01); **C03C 25/42** (2006.01); **C04B 35/622** (2006.01); **C04B 35/628** (2006.01); **D06M 11/44** (2006.01);
D06M 11/71 (2006.01); **D06M 11/77** (2006.01)

CPC (source: EP)

C03C 13/00 (2013.01); **C03C 25/42** (2013.01); **C04B 35/6224** (2013.01); **C04B 35/62881** (2013.01); **D06M 11/71** (2013.01);
C04B 2235/3206 (2013.01); **C04B 2235/3208** (2013.01); **C04B 2235/3217** (2013.01); **C04B 2235/3272** (2013.01); **C04B 2235/447** (2013.01);
C04B 2235/72 (2013.01); **C04B 2235/9615** (2013.01); **C04B 2235/9669** (2013.01)

Citation (third parties)

Third party : anonymous

- WO 9749643 A1 19971231 - MORGAN CRUCIBLE CO [GB], et al
- US 2003181306 A1 20030925 - BERNARD JEAN-LUC [FR], et al
- WO 2007005836 A2 20070111 - UNIFRAX CORP [US], et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

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JP 2015507705 A 20150312; JP 6288460 B2 20180307

DOCDB simple family (application)

US 2012070660 W 20121219; BR 112014014087 A 20121219; EP 12860154 A 20121219; JP 2014548841 A 20121219