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)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

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