

Title (en)
INORGANIC FIBER

Title (de)
ANORGANISCHE FASER

Title (fr)
FIBRE INORGANIQUE

Publication
EP 3405447 A1 20181128 (EN)

Application
EP 17741894 A 20170119

Priority

- US 201662280282 P 20160119
- US 2017014067 W 20170119

Abstract (en)
[origin: WO2017127501A1] An inorganic fiber containing silica and magnesia as the major fiber components which further includes intended synergistic amounts of calcia and, an additional alkali metal oxide other than magnesia, such as lithium oxide, to improve the thermal performance and manufacturability of the fiber. The inorganic fiber is easier to manufacture, has a better fiber quality, exhibits good thermal performance at a use temperature of 1260°C and greater, retains mechanical integrity after exposure to the use temperature, and exhibits low biopersistence in physiological fluids. Also provided are methods of preparing the inorganic fiber and of thermally insulating articles using thermal insulation prepared from the inorganic fibers.

IPC 8 full level
C04B 35/622 (2006.01)

CPC (source: EP KR)
C03C 3/087 (2013.01 - EP); **C03C 13/00** (2013.01 - EP); **C04B 35/6224** (2013.01 - EP KR); **C04B 35/62245** (2013.01 - KR); **C04B 2235/3203** (2013.01 - EP KR); **C04B 2235/3206** (2013.01 - EP KR); **C04B 2235/3208** (2013.01 - EP KR); **C04B 2235/3217** (2013.01 - EP KR); **C04B 2235/3272** (2013.01 - EP KR); **C04B 2235/5264** (2013.01 - EP); **C04B 2235/72** (2013.01 - EP); **C04B 2235/96** (2013.01 - EP)

Designated contracting state (EPC)
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Designated extension state (EPC)
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