

Title (en)
MINERAL WOOL

Title (de)
MINERALWOLLE

Title (fr)
LAINE MINERALE

Publication
EP 3856694 A1 20210804 (FR)

Application
EP 19790688 A 20190923

Priority
• FR 1858814 A 20180926
• FR 2019052222 W 20190923

Abstract (en)
[origin: CA3112230A1] Mineral wool having a chemical composition comprising the following constituents, as weight percentages: 39-50% SiO₂, 9.5-27% Al₂O₃, 5-12% CaO, 1-5% MgO, 5-20% Na₂O, 0-15% K₂O, 2-15% Fe₂O₃, 0-2% B₂O₃, an MgO/RO weight ratio of greater than 0.10 and less than 0.50 and an RO/(RO+R₂O) weight ratio of less than 0.55, in which RO represents the alkaline-earth metal oxides CaO, MgO, BaO and SrO, and R₂O represents the alkali metal oxides Na₂O and K₂O.

IPC 8 full level
C03C 3/087 (2006.01); **C03B 37/01** (2006.01); **C03C 3/097** (2006.01); **C03C 13/06** (2006.01)

CPC (source: EP KR US)
C03C 3/087 (2013.01 - EP KR US); **C03C 3/091** (2013.01 - KR); **C03C 3/097** (2013.01 - EP); **C03C 13/06** (2013.01 - EP KR US); **C03C 2213/00** (2013.01 - US)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3086284 A1 20200327; **FR 3086284 B1 20220722**; CA 3112230 A1 20200402; CN 112703175 A 20210423; EP 3856694 A1 20210804; JP 2022502331 A 20220111; JP 7354232 B2 20231002; KR 20210064216 A 20210602; US 2021347683 A1 20211111; WO 2020065191 A1 20200402; ZA 202101731 B 20220727

DOCDB simple family (application)
FR 1858814 A 20180926; CA 3112230 A 20190923; CN 201980062727 A 20190923; EP 19790688 A 20190923; FR 2019052222 W 20190923; JP 2021516793 A 20190923; KR 20217008600 A 20190923; US 201917276840 A 20190923; ZA 202101731 A 20210315