

Title (en)
ALUMINA-BASED FUSED GRAIN

Title (de)
GESCHMOLZENES KORN AUF ALUMINIUMOXIDBASIS

Title (fr)
GRAIN FONDU A BASE D'ALUMINE

Publication
EP 4255868 A1 20231011 (FR)

Application
EP 21816106 A 20211201

Priority
• FR 2012788 A 20201207
• EP 2021083832 W 20211201

Abstract (en)
[origin: WO2022122515A1] Disclosed is a fused grain having the following chemical composition, expressed in percentages by mass on the basis of the oxides: ZrO₂+HfO₂: 2% to 13%; elements other than ZrO₂, HfO₂, Y₂O₃ and Al₂O₃: ≤ 2%. Y₂O₃ + Al₂O₃: made up to 100%; with 0.0065 ≤ Y₂O₃/(ZrO₂+HfO₂) ≤ 0.1300.

IPC 8 full level
C04B 35/109 (2006.01); **B24D 3/00** (2006.01); **C04B 35/111** (2006.01); **C04B 35/119** (2006.01); **C04B 35/653** (2006.01); **C09K 3/14** (2006.01)

CPC (source: EP KR US)
B24D 3/00 (2013.01 - EP KR); **B24D 3/14** (2013.01 - US); **C04B 35/109** (2013.01 - EP KR US); **C04B 35/1115** (2013.01 - EP KR); **C04B 35/119** (2013.01 - EP KR); **C04B 35/6262** (2013.01 - EP KR); **C04B 35/653** (2013.01 - EP KR US); **C09K 3/1427** (2013.01 - EP KR); **C04B 2235/3217** (2013.01 - US); **C04B 2235/3225** (2013.01 - EP KR US); **C04B 2235/3244** (2013.01 - US); **C04B 2235/72** (2013.01 - EP KR); **C04B 2235/721** (2013.01 - EP KR US); **C04B 2235/725** (2013.01 - US); **C04B 2235/728** (2013.01 - US); **C04B 2235/762** (2013.01 - EP KR US); **C04B 2235/765** (2013.01 - US); **C04B 2235/786** (2013.01 - EP KR)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
FR 3117108 A1 20220610; **FR 3117108 B1 20230421**; CN 116888087 A 20231013; EP 4255868 A1 20231011; JP 2023553022 A 20231220; KR 20230117413 A 20230808; MX 2023006674 A 20230621; US 2024043336 A1 20240208; WO 2022122515 A1 20220616

DOCDB simple family (application)
FR 2012788 A 20201207; CN 202180093194 A 20211201; EP 2021083832 W 20211201; EP 21816106 A 20211201; JP 2023534222 A 20211201; KR 20237022837 A 20211201; MX 2023006674 A 20211201; US 202118265672 A 20211201