

Title (en)

POROUS SINTERED BODY COATED WITH AN ELECTRICALLY CONDUCTIVE COATING AND HAVING A HOMOGENEOUS LAYER THICKNESS

Title (de)

ELEKTRISCH LEITEND BESCHICHTETER PORÖSER SINTERKÖRPER MIT HOMOGENER SCHICHTDICKE

Title (fr)

CORPS FRITTÉ POREUX REVÊTU D'UN REVÊTEMENT ÉLECTROCONDUCTEUR ET PRÉSENTANT UNE ÉPAISSEUR DE COUCHE HOMOGÈNE

Publication

EP 4313895 A1 20240207 (DE)

Application

EP 22719898 A 20220331

Priority

- DE 102021108387 A 20210401
- EP 2022058567 W 20220331

Abstract (en)

[origin: WO2022207789A1] The invention relates to a coated sintered body, comprising a sintered body (11) and an electrically conductive coating (9). The sintered body (11) comprises a glass or glass ceramic and has an open porosity in the range of 10 to 90%. The electrically conductive coating is connected to the inner surface of the sintered body (11), and the electrically conductive coating is part of a heating device of the coated sintered body. The electrically conductive coating is homogeneous and has a variance in the layer thickness of at most 50%.

IPC 8 full level

C03C 17/09 (2006.01); **C03C 17/22** (2006.01); **C03C 17/245** (2006.01); **C03C 17/34** (2006.01)

CPC (source: EP)

C03C 17/09 (2013.01); **C03C 17/225** (2013.01); **C03C 17/245** (2013.01); **C03C 17/3435** (2013.01); **C03C 2217/23** (2013.01); **C03C 2217/25** (2013.01); **C03C 2217/281** (2013.01); **C03C 2218/152** (2013.01)

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)

DE 102021108387 A1 20221006; CN 117120388 A 20231124; EP 4313895 A1 20240207; JP 2024513411 A 20240325; WO 2022207789 A1 20221006

DOCDB simple family (application)

DE 102021108387 A 20210401; CN 202280026771 A 20220331; EP 2022058567 W 20220331; EP 22719898 A 20220331; JP 2023560724 A 20220331