

Title (en)
POLYCRYSTALLINE CERAMIC SOLID, DIELECTRIC ELECTRODE COMPRISING THE SOLID, DEVICE COMPRISING THE ELECTRODE AND METHOD OF PRODUCTION

Title (de)
POLYKRISTALLINER KERAMISCHER FESTKÖRPER, DIELEKTRISCHE ELEKTRODE MIT DEM FESTKÖRPER, VORRICHTUNG MIT DER ELEKTRODE UND VERFAHREN ZUR HERSTELLUNG

Title (fr)
CORPS SOLIDE CÉRAMIQUE POLYCRISTALLIN, ÉLECTRODE DIÉLECTRIQUE COMPRENANT LE CORPS SOLIDE, DISPOSITIF COMPRENANT L'ÉLECTRODE ET PROCÉDÉ DE RÉALISATION

Publication
EP 4038035 A1 20220810 (DE)

Application
EP 20785500 A 20200930

Priority
• DE 102019126346 A 20190930
• EP 2020077394 W 20200930

Abstract (en)
[origin: WO2021064036A1] A polycrystalline dielectric solid has a main phase of the general formula $\text{Ba}_{0.995}(\text{Ti}_{0.85}\text{Zr}_{0.15})\text{O}_3$ and is co-doped with manganese and a rare-earth element. The solid can be used as a dielectric electrode in a method for treating tumors by means of alternating electric fields.

IPC 8 full level
C04B 35/468 (2006.01); **A61N 1/20** (2006.01); **A61N 1/32** (2006.01); **C04B 35/64** (2006.01)

CPC (source: AT CN EP US)
A61N 1/04 (2013.01 - CN); **A61N 1/06** (2013.01 - EP US); **A61N 1/36002** (2017.08 - CN); **C04B 35/46** (2013.01 - AT); **C04B 35/468** (2013.01 - CN); **C04B 35/4682** (2013.01 - AT EP US); **C04B 35/622** (2013.01 - CN); **C04B 35/6303** (2013.01 - CN); **C04B 35/64** (2013.01 - AT EP US); **A61N 1/40** (2013.01 - EP); **C04B 2235/3215** (2013.01 - CN); **C04B 2235/3224** (2013.01 - EP); **C04B 2235/3225** (2013.01 - CN EP); **C04B 2235/3227** (2013.01 - EP); **C04B 2235/3229** (2013.01 - EP US); **C04B 2235/3232** (2013.01 - CN); **C04B 2235/3244** (2013.01 - CN EP US); **C04B 2235/3262** (2013.01 - CN EP US); **C04B 2235/602** (2013.01 - CN); **C04B 2235/656** (2013.01 - CN); **C04B 2235/77** (2013.01 - CN EP); **C04B 2235/782** (2013.01 - CN EP); **C04B 2235/786** (2013.01 - CN EP US); **C04B 2235/79** (2013.01 - EP 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)
WO 2021064036 A1 20210408; AT 17569 U1 20220715; CN 114391006 A 20220422; EP 4038035 A1 20220810; JP 2022548705 A 20221121; JP 2024083342 A 20240621; JP 7453355 B2 20240319; US 2022298080 A1 20220922

DOCDB simple family (application)
EP 2020077394 W 20200930; AT 90032020 U 20200930; CN 202080066685 A 20200930; EP 20785500 A 20200930; JP 2022517425 A 20200930; JP 2024035134 A 20240307; US 202017641391 A 20200930