

Title (en)

SUPERCONDUCTING PELLET COMPRISING A CAVITY AND ASSOCIATED ELECTRICAL MACHINE

Title (de)

SUPRALEITENDES PELLET, DAS EINEN HOHLRAUM UMFASST, UND ZUGEHÖRIGE ELEKTRISCHE MASCHINE

Title (fr)

PASTILLE SUPRACONDUCTRICE COMPRENANT UNE CAVITÉ ET MACHINE ÉLECTRIQUE ASSOCIÉE

Publication

EP 4073916 A1 20221019 (FR)

Application

EP 20841989 A 20201207

Priority

- FR 1914344 A 20191213
- FR 2020052301 W 20201207

Abstract (en)

[origin: WO2021116575A1] The present invention relates to a superconducting pellet (7) for a superconducting electrical machine (1), the superconducting pellet (7) having a circumferential wall (8), the circumferential wall having: - a first border (9), - a second border (10) opposite the first border (9), - an inner face (11) connecting the first border (9) to the second border (10), - an outer face (12) opposite the inner face (11), and - a cavity (13) formed between the first border (9) and the second border (10) and defined by the inner face (11), and - an additional wall (14, 15, 16) which covers the first border (9) or is flush with the first border (9) so as to at least partially cover the cavity (13), or extends from the inner face (11) at a distance from the first border (9) and the second border (10) so as to divide the cavity (13) into two portions.

IPC 8 full level

H02K 55/00 (2006.01); **H01F 6/00** (2006.01); **H02K 1/18** (2006.01)

CPC (source: EP US)

B64D 27/24 (2013.01 - US); **H01F 6/00** (2013.01 - EP US); **H02K 15/02** (2013.01 - US); **H02K 55/00** (2013.01 - EP); **H02K 55/02** (2013.01 - US); **H02K 1/182** (2013.01 - EP); **Y02E 40/60** (2013.01 - EP)

Citation (search report)

See references of WO 2021116575A1

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 2021116575 A1 20210617; EP 4073916 A1 20221019; FR 3104804 A1 20210618; FR 3104804 B1 20230929; US 2023037086 A1 20230202

DOCDB simple family (application)

FR 2020052301 W 20201207; EP 20841989 A 20201207; FR 1914344 A 20191213; US 202017784473 A 20201207