

Title (en)
YTTRIUM OXIDE-COATED PART MADE OF REFRACTORY METAL

Title (de)
YTTRIUMOXID BESCHICHTETES BAUTEIL AUS REFRAKTÄRMETALL

Title (fr)
PIÈCE REVÊTUE D'OXYDE D'YTTRIUM EN MÉTAL RÉFRACTAIRE

Publication
EP 4263903 A1 20231025 (DE)

Application
EP 21843577 A 20211125

Priority
• AT 502512020 U 20201215
• AT 2021060447 W 20211125

Abstract (en)
[origin: WO2022126158A1] The invention relates to a part made of a refractory metal, characterized in that the surface of the part is at least partly coated with a layer of Y₂O₃, to the production of the coated part, and to the use of Y₂O₃ as a release agent in high-temperature applications.

IPC 8 full level
C23C 24/04 (2006.01); **C23C 24/08** (2006.01); **C23C 26/00** (2006.01); **F16B 37/00** (2006.01); **H01J 27/00** (2006.01); **H01J 37/00** (2006.01); **H01L 27/00** (2006.01)

CPC (source: AT EP US)
C04B 35/14 (2013.01 - AT); **C23C 2/00** (2013.01 - AT); **C23C 8/40** (2013.01 - AT); **C23C 24/00** (2013.01 - US); **C23C 24/04** (2013.01 - EP); **C23C 24/08** (2013.01 - EP); **C23C 26/00** (2013.01 - EP); **H01M 8/04089** (2013.01 - AT); **H01M 8/0675** (2013.01 - AT); **H01M 8/0675** (2013.01 - EP); **H01M 2008/1293** (2013.01 - EP); **Y02E 60/50** (2013.01 - EP)

Citation (search report)
See references of WO 2022126158A1

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)
WO 2022126158 A1 20220623; AT 17485 U1 20220515; CN 116601330 A 20230815; EP 4263903 A1 20231025; JP 2023552481 A 20231215; US 2024117496 A1 20240411

DOCDB simple family (application)
AT 2021060447 W 20211125; AT 502512020 U 20201215; CN 202180081827 A 20211125; EP 21843577 A 20211125; JP 2023535585 A 20211125; US 202118257646 A 20211125