

Title (en)
GRADIENT CORRECTOR FOR CYCLOTRON

Title (de)
GRADIENTENKORREKTOR FÜR ZYKLOTRON

Title (fr)
CORRECTEUR DE GRADIENT POUR CYCLOTRON

Publication
EP 3244709 B1 20200101 (EN)

Application
EP 16169494 A 20160513

Priority
EP 16169494 A 20160513

Abstract (en)
[origin: EP3244709A1] A magnet pole for an isochronous sector-focused cyclotron comprising hill and valley sectors alternatively distributed around a central axis, Z, each hill sector comprises an upper surface bounded by four edges: an upper peripheral edge, an upper central edge, a first and a second upper lateral edges, and a peripheral surface extending from the upper peripheral edge to a lower peripheral line. The upper peripheral edge of at least one hill sector further comprises a concave portion with respect to the central axis defining a recess extending at least partially over a portion of the peripheral surface of the corresponding hill sector

IPC 8 full level
H05H 13/00 (2006.01)

CPC (source: CN EP)
H05H 7/04 (2013.01 - CN); **H05H 13/005** (2013.01 - CN EP); **H05H 2007/043** (2013.01 - CN)

Cited by
CN113438795A; CN116170933A

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

DOCDB simple family (publication)
EP 3244709 A1 20171115; EP 3244709 B1 20200101; CA 2965016 A1 20171113; CA 2965016 C 20190730; CN 107371316 A 20171121; CN 107371316 B 20190827; CN 207201060 U 20180406; JP 2017204469 A 20171116; JP 6446089 B2 20181226

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EP 16169494 A 20160513; CA 2965016 A 20170425; CN 201710320606 A 20170509; CN 201720510663 U 20170509; JP 2017093672 A 20170510