

Title (en)
MAGNETIZING DEVICE

Title (de)
MAGNETISIERUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE MAGNÉTISATION

Publication
EP 3808457 A1 20210421 (EN)

Application
EP 19203705 A 20191016

Priority
EP 19203705 A 20191016

Abstract (en)
A magnetizing device includes: an inner magnetic portion having a first magnet assembly, a second magnet assembly, a third magnet assembly, and a fourth magnet assembly which are combined to form a hollow region. The first magnet assembly and the second magnet assembly each include: two first-direction magnets, a magnetic direction of each of the first-direction magnets is away from the hollow region, the third magnet assembly and the fourth magnet assembly each include two second-direction magnets, and a magnetic direction of each of the second-direction magnets faces the hollow region. A magnetic barrier portion surrounds the inner magnetic portion and includes a plurality of third-direction magnets, each two of the third-direction magnets has a joint surface therebetween, a magnetic direction of each third-direction magnet faces the joint surface, and magnetic poles of each of the third-direction magnets are opposite to magnetic poles of an adjacent third-direction magnet.

IPC 8 full level
B03C 1/28 (2006.01); **B03C 1/033** (2006.01); **H01F 7/02** (2006.01)

CPC (source: EP)
B03C 1/0332 (2013.01); **B03C 1/288** (2013.01); **H01F 7/0278** (2013.01); **B03C 2201/18** (2013.01); **B03C 2201/22** (2013.01); **B03C 2201/26** (2013.01)

Citation (search report)
• [X] US 2002097051 A1 20020725 - MILLER MELVIN N [US], et al
• [X] US 5886609 A 19990323 - STELTER RICHARD E [US]
• [X] JP 2005152886 A 20050616 - HITACHI METALS LTD
• [X] CN 104898308 A 20150909 - SHENZHEN MAXPHOTONICS CO LTD
• [X] US 2009206837 A1 20090820 - TEKLEMARIAM GRUM [US], et al
• [X] DE 202019104657 U1 20190905 - MAGIS COMPANY LTD [TW]
• [A] US 4999600 A 19910312 - AUBERT GUY [FR]
• [A] JP S61102544 A 19860521 - SUMITOMO SPEC METALS

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)
EP 3808457 A1 20210421

DOCDB simple family (application)
EP 19203705 A 20191016