

Title (en)
MAGNETIC TREATMENT DEVICE FOR MAGNETICALLY TREATING A FLUID

Title (de)
MAGNETISCHE VORRICHTUNG ZUR MAGNETISCHEN BEHANDLUNG EINES FLUIDS

Title (fr)
DISPOSITIF MAGNÉTIQUE POUR TRAITER MAGNÉTIQUEMENT UN FLUIDE

Publication
EP 3438439 A1 20190206 (EN)

Application
EP 18187130 A 20180802

Priority
NL 1042492 A 20170804

Abstract (en)
A magnetic treatment device for magnetically treating a fluid comprises a housing, a ring-shaped first magnet and a first chamber. The first magnet is accommodated in the housing. The first magnet extends circularly, and comprises a flat lower magnet side, a flat upper magnet side being parallel to the lower magnet side, a cylindrical inner diameter magnet side having an inner diameter, and a cylindrical outer diameter magnet side having an outer diameter. Spacing elements extend between respective housing sides and first magnet sides facing each other. The first chamber extends circularly over an angle of less than 360 degrees from a first chamber inlet opening to a first chamber outlet opening, along the lower magnet side, the upper magnet side, the inner diameter magnet side and the outer diameter magnet side, for allowing the fluid to flow in the first chamber from the first chamber inlet opening to the first chamber outlet opening in a circumferential direction along the lower magnet side, the upper magnet side, the inner diameter magnet side and the outer diameter magnet side.

IPC 8 full level
F02M 27/04 (2006.01)

CPC (source: EP)
F02M 27/045 (2013.01)

Citation (search report)
• [X] US 2009065438 A1 20090312 - CHAU YIU CHAU [CA]
• [XI] US 2004250799 A1 20041216 - LISSEVELD WOUT [US]
• [XI] GB 2459860 A 20091111 - ECLIPSE MAGNETICS LTD [GB]
• [A] US 4935133 A 19900619 - HIRAMA YUTAKA [JP]
• [A] US 4716024 A 19871229 - PERA IVO [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)
EP 3438439 A1 20190206; NL 1042492 B1 20190221

DOCDB simple family (application)
EP 18187130 A 20180802; NL 1042492 A 20170804