

Title (en)
A MAGNETIC POWER UNIT

Title (de)
MAGNETISCHE ANTRIEBSEINHEIT

Title (fr)
GÉNÉRATEUR D'ÉNERGIE MAGNÉTIQUE

Publication
EP 3319174 B1 20200812 (EN)

Application
EP 16002348 A 20161104

Priority
EP 16002348 A 20161104

Abstract (en)
[origin: EP3319174A1] The magnetic power unit (100) comprises a magnetic core (10) including a first, a second and a third winding channels (2a, 2b, 2c) respectively arranged around a first, a second and a third crossing axis (A-A, B-B, C-C) orthogonal to each other, each of said winding channels (2a, 2b, 2c) being intended for receiving one coil wound around the magnetic core (10), each coil having at least one turn. The crossing axis (A-A, B-B, C-C) define orthogonal planes providing eight octants, each including a protrusion defining a protruding spacer (20), being spaced to each other by said winding channels (2a, 2b, 2c). The magnetic core (10) is a composed core formed by several different partial magnetic cores assembled together including two side partial magnetic cores (12), each including four protruding spacers (20). The magnetic core (10) further includes a through hole (30) housing a device for heat dissipation (50).

IPC 8 full level
H01F 27/26 (2006.01); **H01Q 7/06** (2006.01)

CPC (source: EP)
H01F 27/263 (2013.01); **H01Q 7/06** (2013.01); **H01F 27/18** (2013.01)

Cited by
EP4060693A1; WO2022194517A1

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