

Title (en)

A component having various magnetic characteristics and qualities and method of making

Title (de)

Bauteil mit verschiedenen magnetischen Eigenschaften und Verfahren dafür

Title (fr)

Composant ayant différentes caractéristiques magnétiques et sa méthode de fabrication

Publication

EP 1617443 A1 20060118 (EN)

Application

EP 04076546 A 20040524

Priority

EP 04076546 A 20040524

Abstract (en)

A magnetic armature (10), having an outer ring (12) formed of a first powdered metal, the outer ring having magnetic qualities and the first powdered metal of the outer ring includes metals having poor welding characteristics; an inner ring (14) formed of a second powdered metal and being disposed within the outer ring, the inner ring being an iron metal having good welding characteristics and the inner ring defines an inner opening (16) for receiving a shaft (18) for rotating the magnetic armature; wherein said outer ring and said inner ring are joined together by a sintering process and the shaft is welded to the inner ring.

IPC 8 full level

H01F 7/02 (2006.01); **H01F 1/147** (2006.01); **H01F 41/02** (2006.01)

CPC (source: EP)

H01F 3/08 (2013.01); **H01F 41/0246** (2013.01)

Citation (search report)

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- [A] US 2002196115 A1 20021226 - YAMAKAGE HIROKAZU [JP], et al

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Designated contracting state (EPC)

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