

Title (en)

Sintered core for an electromagnetic contactor with controlled closing velocity.

Title (de)

Gesinterter Kern für ein elektromagnetisches Schaltschütz mit kontrollierter Schliessgeschwindigkeit.

Title (fr)

Noyau fritté pour un contacteur électromagnétique à vitesse de fermeture contrôlée.

Publication

EP 0505194 A1 19920923 (EN)

Application

EP 92302396 A 19920319

Priority

US 67305291 A 19910321

Abstract (en)

An electromagnet/armature set fabricated of powdered metal is disclosed. The powdered metal is preferably magnetic and may be mixed with phosphorus to improve the magnetic properties of the powdered metal, which is molded into the desired shape by pressing and sintering. The electromagnet and armature set are especially adapted for use with electromagnetic contractor and controller motors wherein the electromagnet/armature seat against each other with a controlled closing velocity. <IMAGE>

IPC 1-7

H01F 3/08; **H01F 7/18**; **H01H 47/02**; **H01H 50/16**

IPC 8 full level

H01F 3/08 (2006.01); **H01F 7/08** (2006.01); **H01H 50/16** (2006.01)

CPC (source: EP)

H01F 3/08 (2013.01); **H01F 7/081** (2013.01); **H01H 50/16** (2013.01)

Citation (search report)

- [YD] EP 0279592 A2 19880824 - WESTINGHOUSE ELECTRIC CORP [US]
- [Y] EP 0409647 A2 19910123 - SUMITOMO METAL MINING CO [JP]
- [A] GB 890142 A 19620228 - WESTINGHOUSE ELECTRIC CORP
- [A] US 4019239 A 19770426 - BOCKSTIEGEL GEORG HEINRICH A [SE]

Cited by

CN100461324C; FR2940502A1; CN104137216A; DE29502296U1; US9552934B2; US7696846B2; WO2013130035A1; WO0073633A1; WO2005006371A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0505194 A1 19920923; AU 1139692 A 19920924; AU 660008 B2 19950608; BR 9200910 A 19921117; CA 2063680 A1 19920922; JP H05114346 A 19930507; MX 9201073 A 19920901

DOCDB simple family (application)

EP 92302396 A 19920319; AU 1139692 A 19920304; BR 9200910 A 19920317; CA 2063680 A 19920320; JP 9246492 A 19920319; MX 9201073 A 19920312