

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)

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- [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]

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