

Title (en)

FERROMAGNETIC PART FOR AN ELECTROMAGNETIC CONTACTOR, ITS MANUFACTURING PROCESS AND ITS USE

Title (de)

FERROMAGNETISCHES TEIL FÜR EINEN SCHUTZSCHALTER, HERSTELLUNGSVERFAHREN UND VERWENDUNG

Title (fr)

PIÈCE FERROMAGNÉTIQUE POUR UN CONTACTEUR ÉLECTROMAGNÉTIQUE, SON PROCÉDÉ DE FABRICATION ET SON UTILISATION

Publication

**EP 3579262 B1 20210428 (FR)**

Application

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Priority

FR 1855023 A 20180608

Abstract (en)

[origin: US2019378672A1] A new method for manufacturing a ferromagnetic part for an electromagnetic contactor, the ferromagnetic part having both particularly high impact mechanical durability, good ferromagnetic properties and good corrosion resistance, while integrating a non-magnetic gap. The method includes the following successive steps: a step a) of supplying a soft ferromagnetic metal blank part; and a step b) of electroless nickel plating at least one section of the blank part in order to obtain the ferromagnetic part, the section of which is surface coated with a nickel surface layer, with the obtained ferromagnetic part including the soft ferromagnetic metal, which, for at least one electroless nickel plated section, is disposed under the nickel surface layer.

IPC 8 full level

**H01H 50/16** (2006.01); **C23C 18/16** (2006.01); **C23C 18/36** (2006.01)

CPC (source: EP US)

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