

Title (en)

Method of manufacturing an electromagnetic actuator

Title (de)

Verfahren zur Herstellung eines elektromagnetischen Aktuators

Title (fr)

Procédé de fabrication d'un vérin électromagnétique

Publication

EP 0924395 A3 20000712 (DE)

Application

EP 98123153 A 19981204

Priority

DE 19757169 A 19971220

Abstract (en)

[origin: EP0924395A2] Electromagnetic actuator production involves combined surface hardening of an armature (1) and a ram (2). In production of an electromagnetic actuator having one or more electromagnets (3, 4) for moving an armature (1) connected to a ram (2), the armature (1) and the ram (2) are hardened in a common surface treatment step. Preferred Feature: The surface treatment involves coating the components with a wear resistant titanium nitride layer (9) or introducing nitrogen into the component surfaces, especially by plasma nitriding.

IPC 1-7

F01L 9/04; **H01F 7/08**

IPC 8 full level

F01L 9/04 (2006.01); **F01L 9/20** (2021.01); **H01F 7/08** (2006.01)

CPC (source: EP)

F01L 9/20 (2021.01); **H01F 7/08** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 04 31 May 1995 (1995-05-31)

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Designated contracting state (EPC)

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