

Title (en)

Magnetic protection for an electromagnetic valve actuator

Title (de)

Magnetische Abschirmung eines Aktors zur elektromagnetischen Ventilsteuerung

Title (fr)

Protection magnétique pour actionneur de soupape électromagnétique

Publication

**EP 0971100 B1 20030903 (DE)**

Application

**EP 99112531 A 19990701**

Priority

- DE 19830233 A 19980707
- DE 19843075 A 19980919

Abstract (en)

[origin: EP0971100A1] The actuator has an opening magnet (OM) and a closing magnet (SM) with an armature plate (AP) oscillating between them, and an armature plate position measurement arrangement with a magnetic field sensor (MS) and a magnetic field generator (MG). The magnetic field generator and the magnetic field sensor are enclosed by a magnetic screen (MA) made of a weakly magnetic material.

IPC 1-7

**F01L 9/04**

IPC 8 full level

**F01L 9/20** (2021.01)

CPC (source: EP US)

**F01L 9/20** (2021.01 - EP US); **F01L 2009/2136** (2021.01 - EP US); **F01L 2009/2169** (2021.01 - EP US); **Y10T 137/8242** (2015.04 - EP US)

Cited by

FR2871543A1; AT512065A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**EP 0971100 A1 20000112**; **EP 0971100 B1 20030903**; ES 2205648 T3 20040501; US 6213147 B1 20010410

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