Title (en)

SET CONTAINING AN ELECTROMAGNET AND AN ELECTROMAGNET PALETTE, AND VALVE ACTUATOR COMPRISING SUCH A SET

Title (de)

SATZ AUS EINEM ELEKTROMAGNETEN UND EINER ELEKTROMAGNETISCHEN PALETTE SOWIE VENTILAKTUATOR MIT SOLCH EINEM SATZ

Title (fr)

ENSEMBLE D'UN ELECTROAIMANT ET D'UNE PALETTE D'ELECTROAIMANT ET ACTIONNEUR DE SOUPAPE COM RENANT UN TEL ENSEMBLE

Publication

EP 2232509 A2 20100929 (FR)

Application

EP 08872951 A 20081215

Priority

• FR 2008001738 W 20081215
• FR 0708940 A 20071220

Abstract (en)

[origin: FR2925754A1] The assembly has a pallet (12) of a closing electromagnet (14) comprising a connecting edge i.e. lateral edge (121L), connected with connecting arms i.e. lateral arms (141D, 141G) formed in the electromagnet. The edge of the pallet and the arm are connected asymmetrically so as to swing the pallet in a preset direction during the rupture of mechanical connection between the pallet and an opening electromagnet. The arm of the electromagnet is machined at one of its ends so as to handle a tilting air gap (145) between the edge and the arm.

IPC 8 full level

H01F 7/08 (2006.01); **F01L 9/04** (2006.01); **H01F 7/06** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP US)

H01F 7/081 (2013.01 - EP US); **H01F 7/1638** (2013.01 - EP US); H01F 7/1646 (2013.01 - EP US)

Citation (search report)

See references of WO 2009106700A2

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2925754 A1 20090626; **FR 2925754 B1 20150605**; CN 101946293 A 20110112; EP 2232509 A2 20100929; JP 2011507480 A 20110303; KR 20100099739 A 20100913; US 2010294221 A1 20101125; WO 2009106700 A2 20090903; WO 2009106700 A3 20091105

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FR 0708940 A 20071220; CN 200880127178 A 20081215; EP 08872951 A 20081215; FR 2008001738 W 20081215; JP 2010538828 A 20081215; KR 20107016270 A 20081215; US 80988308 A 20081215