

Title (en)

ELECTROMAGNETIC ACTUATOR WITH PERMANENT MAGNETS WHICH ARE DISPOSED IN A V-SHAPED ARRANGEMENT

Title (de)

ELEKTROMAGNETISCHER AUSLÖSER MIT DAUERMAGNETEN, DIE V-FÖRMIG ANGEORDNET WERDEN

Title (fr)

ACTIONNEUR ELECTROMAGNETIQUE À AIMANTS PERMANENTS DISPOSES EN V

Publication

**EP 1955339 A1 20080813 (FR)**

Application

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Abstract (en)

[origin: WO2007063223A1] The invention relates to an electromagnetic actuator including an actuation member which is associated with a vane (4) and which can move under the action of an electromagnet comprising: a coil (3); a core (2) which is designed to channel a flux from the coil such that it is contained within the vane and which consists of a base (10) having arms extending therefrom, said arms including a central arm around which the coil extends; and two permanent magnets (13) which are associated with the core, such that the core channels a flux from the permanent magnets in order for same to be contained within the vane, the flux from the coil passing through said magnets. According to the invention, the two permanent magnets are disposed in the central arm of the core in order to form a V shape which divides the central arm into a support part (12) which supports the permanent magnets and which is solidly connected to the base and an end part (14) which covers the permanent magnets.

IPC 8 full level

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