

Title (en)
ELECTROMECHANICAL RELAY FOR DETERMINING THE POSITION OF AN ARMATURE

Title (de)
ELEKTROMECHANISCHES RELAIS ZUM BESTIMMEN EINER POSITION EINES ANKERS

Title (fr)
RELAIS ÉLECTROMÉCANIQUE SERVANT À DÉFINIR UNE POSITION D'UN INDUIT

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Application
EP 18722584 A 20180514

Priority
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Abstract (en)
[origin: WO2018219624A1] The invention relates to an electromechanical relay (100) for determining the position of an armature. The electromechanical relay (100) comprises an excitation coil (101), which is designed to produce a magnetic field. The electromechanical relay (100) comprises a current-sensing device (103), which is designed to sense an electric current, and a magnetic-field-sensing device (105), which is designed to sense at least one magnetic flux density in an environment of the armature. The electromechanical relay (100) comprises a memory (107), in which a predetermined set of characteristic curves is stored, the predetermined set of characteristic curves indicating at least an association of a reference electric current and of a reference magnetic flux density with a reference position of the armature, and a processor (109), which is designed to compare the sensed electric current with the reference electric current, to compare the sensed magnetic flux density with the reference magnetic flux density, and to determine the position of the armature on the basis of the reference position.

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Citation (search report)
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