

Title (en)
ELECTROMAGNET ARRANGEMENT FOR A SWITCH

Title (de)
ELEKTROMAGNETANORDNUNG FÜR EINEN SCHALTER

Title (fr)
DISPOSITIF A ELECTROAIMANT POUR INTERRUPTEUR

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Application
EP 02794737 A 20020727

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Abstract (en)
[origin: WO03017308A1] The invention relates to an electromagnet arrangement for a switch (contractor), comprising a main magnetic circuit (MK1) consisting of a magnet yoke (10) and a magnet armature (60) impinged upon by a readjusting device (36), a contact apparatus of said switch which actively co-operates with the magnet armature (60), at least one permanent magnet for the production of a retaining force arranged in the main magnet circuit (MK1), at least one exciter coil (30,32) which is associated with the magnet yoke (10) and which is used to produce the attraction force for the magnet armature (60), and a control circuit, whereby a secondary shunt circuit (MK2) is formed parallel to the main magnet circuit (MK1), said shunt circuit also being able to be closed via the magnet armature (60) and comprised of two pole limbs (11) and a yoke arch (24) arranged on the magnet armature (10) opposite the pole surfaces which is interrupted by a remanence gap (25).

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