

Title (en)
ELECTROMAGNETIC RELAY

Title (de)
ELEKTROMAGNETISCHES RELAIS

Title (fr)
RELAIS ELECTROMAGNETIQUE

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Application
EP 00951386 A 20000714

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Abstract (en)
[origin: WO0106527A1] The invention relates to a relay, comprising an electromagnetic system (31, 32) with an armature (34) which is mounted so that it can pivot about a rotational axis (35). The armature has a long armature arm (38) on one side which forms the working air gap (37) and a relatively short actuating arm (39) on the other side of the rotational axis. The actuating arm (39) of the armature engages with a contact spring (10) in a manner allowing free play and enabling the movement of the armature to be transmitted to the contact spring with a step-down effect. A dynamic opening of the contacts after microwelding is thus achieved. The invention is of particular use for relays which have a relatively slow armature movement, in addition to a relatively wide angle of movement for the armature, in order to prevent or reduce switching noise.

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