

Title (en)
Electromagnetic relay

Title (de)
Elektromagnetisches Relais

Title (fr)
Relais électromagnétique

Publication
EP 0865060 A3 20010207 (DE)

Application
EP 98101764 A 19980202

Priority
DE 19705508 A 19970213

Abstract (en)
[origin: JPH10233149A] PROBLEM TO BE SOLVED: To obtain a relay needing merely a small space, by forming a relay so that an armature can have at least one notch, and the notch is formed so as to be partially enclosing a magnet constitution unit by the armature. SOLUTION: An armature 13 is chamfered at its corner into an about square shape, and is composed of a ferromagnetic thin plate. In this case, two nearly square notches 14 and 14 are provided in the armature 13, and these notches are positioned in a row in the longitudinal direction of the armature 13. The center web 15 is formed between the notches 14 and 14, and moreover a joining web 16 is formed in the region of the end part of the armature 13. The end part of the armature 13 is folded to the center region in the region of the joining web 16, and in contrast, the center region is formed into an about circular arc stage seeing from a longitudinal direction cross section. The armature 13 has a rotatory connecting surface on the surface of the lower side of the center web 15, and is contacted with the center region of a three-pole permanent magnet 12. That is, the notch partially encloses a magnet constituting unit by a contact piece.

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IPC 8 full level
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CPC (source: EP)
H01H 51/2281 (2013.01)

Citation (search report)
• [A] DE 3415761 A1 19851031 - SIEMENS AG [DE]
• [A] DE 2423286 A1 19751127 - FLEISCHMANN GEB
• [A] EP 0117451 A1 19840905 - MATSUSHITA ELECTRIC WORKS LTD [JP], et al
• [A] DE 3144000 A1 19830511 - SIEMENS AG [DE]

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