

Title (en)
Electromagnetic relay for high heat load

Title (de)
Elektromagnetisches Relais für hohe Wärmebelastung

Title (fr)
Relais électromagnétique pour charge thermique élevée

Publication
EP 0849755 A3 19981223 (DE)

Application
EP 97120100 A 19971117

Priority
DE 19653105 A 19961219

Abstract (en)
[origin: DE19653105C1] An electromagnetic relay including a U-shaped core yoke (5) carrying a bobbin with a winding (2), and a flat armature (9) bridging the free ends (6a,8a) of the yoke (5) when the coil is excited. A switching tongue (14) is arranged in a plane approx. parallel to the armature (9), and comprises a long strip fixed at one end and supporting at least one movable contact (14a) at the other. At least one pair of fixed counter-contacts (12,13) are bridged by the tongue (14) in one of their switching positions. The switching tongue (14) specifically. made of ceramic consists of a highly insulating material having a high degree of rigidity and slight relaxation properties at high temperatures, with a bridging contact (14a) made of a high-conductivity material at its contact-making end.

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IPC 8 full level
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CPC (source: EP US)
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H01H 2047/025 (2013.01 - EP US)

Citation (search report)
• [A] EP 0393226 A1 19901024 - NHK SPRING CO LTD [JP]
• [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 265 (M - 515) 10 September 1986 (1986-09-10)

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