

Title (en)

ELECTROMAGNETIC RELAY CAPABLE OF RESISTING SHORT-CIRCUIT CURRENT

Title (de)

ELEKTROMAGNETISCHES RELAIS MIT WIDERSTANDSFÄHIGKEIT GEGEN KURZSCHLUSSSTROM

Title (fr)

RELAIS ÉLECTROMAGNÉTIQUE CAPABLE DE RÉSISTER À UN COURANT DE COURT-CIRCUIT

Publication

EP 3958283 C0 20231213 (EN)

Application

EP 21275109 A 20210811

Priority

CN 202010844938 A 20200820

Abstract (en)

[origin: EP3958283A2] The present disclosure discloses electromagnetic relay capable of resisting short-circuit current, and includes a base (1), a magnetic circuit part, a static spring part (2) and a moving spring part. The static spring part (2) includes a static spring lead-out piece (21) and an elastic static spring piece. The static spring lead-out piece (21) is arranged on the base (1), and the static spring piece (22) is provided with a static contact (221). The static spring piece (22) is electrically connected to the static spring lead-out piece (21), and the static spring piece (22) generates an electric power in the direction of the moving spring part in the energized state, and the electric power can resist the electric repulsive force received by the static contact (221).

IPC 8 full level

H01H 50/26 (2006.01); **H01H 1/54** (2006.01)

CPC (source: CN EP)

H01H 1/50 (2013.01 - EP); **H01H 1/54** (2013.01 - EP); **H01H 50/041** (2013.01 - CN); **H01H 50/26** (2013.01 - EP); **H01H 50/58** (2013.01 - CN); **H01H 1/26** (2013.01 - EP); **H01H 50/14** (2013.01 - EP); **H01H 50/60** (2013.01 - EP); **H01H 50/648** (2013.01 - EP); **H01H 51/06** (2013.01 - EP)

Cited by

CN115798995A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

EP 3958283 A2 20220223; **EP 3958283 A3 20220622**; **EP 3958283 B1 20231213**; **EP 3958283 C0 20231213**; CN 112086319 A 20201215

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