

Title (en)

MICROMECHANICAL ELECTROSTATIC RELAY AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

MIKROMECHANISCHES ELEKTROSTATISCHES RELAIS UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

RELAIS ELECTROSTATIQUE MICROMECHANIQUE ET SON PROCEDE DE PRODUCTION

Publication

**EP 1021815 B1 20020123 (DE)**

Application

**EP 98947333 A 19980724**

Priority

- DE 9802092 W 19980724
- DE 19736674 A 19970822

Abstract (en)

[origin: DE19736674C1] The relay has a base substrate (4) with a base electrode (1,11) and at least one fixed contact (7) at the end of a fixed contact spring tongue. This cooperates with a movable contact (8) at the end of an armature spring tongue (41), secured to the base substrate at the opposite end. The armature spring tongue is curved away from the substrate so that the contacts are spaced in the normal position, both spring tongues from a common carrier layer, with the attached contacts positioned so that they overlap in the closed position.

IPC 1-7

**H01H 59/00**

IPC 8 full level

**B81B 3/00** (2006.01); **B81C 1/00** (2006.01); **H01H 59/00** (2006.01); **H01L 41/09** (2006.01)

CPC (source: EP US)

**H01H 59/0009** (2013.01 - EP US); **H01H 2059/0081** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**DE 19736674 C1 19981126**; CA 2300956 A1 19990304; CN 1310854 A 20010829; DE 59802921 D1 20020314; EP 1021815 A1 20000726; EP 1021815 B1 20020123; JP 2001514434 A 20010911; TW 385465 B 20000321; US 6191671 B1 20010220; WO 9910907 A1 19990304

DOCDB simple family (application)

**DE 19736674 A 19970822**; CA 2300956 A 19980724; CN 98808413 A 19980724; DE 59802921 T 19980724; DE 9802092 W 19980724; EP 98947333 A 19980724; JP 2000508127 A 19980724; TW 87111211 A 19980710; US 48626100 A 20000222