

Title (en)
ELECTRICAL WEAK-CURRENT CONTACT

Publication
EP 0027520 B1 19830413 (DE)

Application
EP 80105005 A 19800822

Priority
DE 2940772 A 19791008

Abstract (en)
[origin: US4339644A] A low-power electrical contact particularly suitable for switching and plug-in connections. The contact comprises an outer contact layer and a substrate composed of a copper base alloy. The contact layer consists essentially of an alloy of 35-55% by weight gold, 18-33.5% silver, 30-40% palladium, and (i) 1-6% indium, or (ii) 0.5-2% tin together with 0.5-2% indium. An intermediate layer of nickel or copper-nickel may be interposed between the contact layer and the substrate.

IPC 1-7
H01H 1/02; **H01R 13/02**; **H01B 1/02**

IPC 8 full level
C22C 5/02 (2006.01); **C22C 5/04** (2006.01); **C22C 9/00** (2006.01); **C22C 9/02** (2006.01); **C22C 30/00** (2006.01); **H01H 1/02** (2006.01); **H01H 1/023** (2006.01); **H01H 1/025** (2006.01); **H01H 1/04** (2006.01); **H01R 13/03** (2006.01)

CPC (source: EP US)
H01H 1/023 (2013.01 - EP US); **H01R 13/03** (2013.01 - EP US); **Y10T 428/1259** (2015.01 - EP US); **Y10T 428/12882** (2015.01 - EP US); **Y10T 428/1291** (2015.01 - EP US); **Y10T 428/31884** (2015.04 - EP US); **Y10T 428/31895** (2015.04 - EP US)

Cited by
DE102014101882A1; EP0082647A3; EP0410472A3; EP0250958A3; EP0145924A3; CN105981165A; WO8302195A1; US10211180B2

Designated contracting state (EPC)
BE CH FR GB LI NL SE

DOCDB simple family (publication)
EP 0027520 A1 19810429; **EP 0027520 B1 19830413**; DE 2940772 A1 19810409; DE 2940772 C2 19820909; JP H0364969 B2 19911009; JP S5658939 A 19810522; US 4339644 A 19820713

DOCDB simple family (application)
EP 80105005 A 19800822; DE 2940772 A 19791008; JP 13999280 A 19801008; US 19317880 A 19801001