

Title (en)

Contact element for electrically contacting component parts, particularly for ignition parts

Title (de)

Kontaktierungselement zum elektrischen Kontaktieren von Bauteilen, insbesondere von Zündspannungsteilen

Title (fr)

Élément de contact pour le contact électrique de pièces, en particulier de pièces d'allumage

Publication

**EP 1653571 A3 20090121 (DE)**

Application

**EP 05022401 A 20051013**

Priority

DE 202004015917 U 20041013

Abstract (en)

[origin: EP1653571A2] A contacting element for electrical contacting of components, especially for ignition voltage parts in internal combustion engines, including an external housing (2), containing an axial pressure spring (4), end (7) of which presses on a first stop (6) in a cup (12), while the spring end (8) under the action of the pressure spring presses on a second stop (16) inside the housing. An independent claim is included for a spark plug head.

IPC 8 full level

**H01R 24/06** (2006.01); **H01R 13/04** (2006.01); **H01R 13/24** (2006.01); **H01R 13/53** (2006.01); **H01R 13/719** (2006.01); **H01T 13/04** (2006.01); **H01R 13/66** (2006.01)

CPC (source: EP US)

**H01R 13/187** (2013.01 - EP); **H01R 13/4538** (2013.01 - EP); **H01R 24/20** (2013.01 - EP US); **H01T 13/04** (2013.01 - EP US); **H01R 13/2421** (2013.01 - EP US); **H01R 2101/00** (2013.01 - EP US)

Citation (search report)

- [XY] DE 3920080 A1 19910110 - AUDI AG [DE]
- [YA] US 2004055587 A1 20040325 - HIRAMATSU HIROMI [JP], et al
- [YA] DE 10007545 A1 20010329 - MITSUBISHI ELECTRIC CORP [JP]
- [X] FR 2624559 A3 19890616 - MAGNETI MARELLI SPA [IT]
- [X] US 5957706 A 19990928 - PHILLIPS JR WILLIAM THOMAS [US], et al
- [A] US 5749742 A 19980512 - BERTUZZI JR DALE CHARLES [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**DE 202004015917 U1 20050120**; EP 1653571 A2 20060503; EP 1653571 A3 20090121; US 2006148338 A1 20060706; US 7455536 B2 20081125

DOCDB simple family (application)

**DE 202004015917 U 20041013**; EP 05022401 A 20051013; US 24859005 A 20051012