

Title (en)

Plug adaptable to sockets of different diameters

Title (de)

Stecker anpassbar an Steckdosen mit unterschiedlichen Durchmessern

Title (fr)

Dispositif de connexion mâle adaptable à différents diamètres de prise femelle

Publication

**EP 0840405 B1 20051228 (FR)**

Application

**EP 97203264 A 19971020**

Priority

FR 9613190 A 19961029

Abstract (en)

[origin: EP0840405A1] The connector includes an internal sleeve (10) surrounded by an external sleeve (12) provided with a contact (14). A rotating mechanism (16) is provided on the internal sleeve to adjust the contact diameter when the two sleeves are rotated relative to each other. The mechanism includes a cam (8) which modifies the external diameter of the contact. A spring (15) pushes a second metal contact (21) against the exterior wall of the internal sleeve. A printed circuit (11) interfaces between the two electrical contacts.

IPC 1-7

**H01R 24/04**

IPC 8 full level

**H01R 24/02** (2006.01); **H01R 24/04** (2006.01); **H01R 24/58** (2011.01)

CPC (source: EP KR US)

**H01R 24/20** (2013.01 - KR); **H01R 24/58** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0840405 A1 19980506**; **EP 0840405 B1 20051228**; DE 69734964 D1 20060202; DE 69734964 T2 20060824; FR 2755306 A1 19980430; JP H10223332 A 19980821; KR 100501751 B1 20060417; KR 19980033197 A 19980725; US 6004161 A 19991221

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**EP 97203264 A 19971020**; DE 69734964 T 19971020; FR 9613190 A 19961029; JP 29455197 A 19971027; KR 19970055219 A 19971027; US 95780597 A 19971024