

Title (en)
ELECTRICAL CONNECTOR

Title (de)
ELEKTRISCHER VERBINDER

Title (fr)
CONNECTEUR ELECTRIQUE

Publication
EP 0845160 B1 19991006 (DE)

Application
EP 96925930 A 19960813

Priority
• DE 19529893 A 19950814
• IB 9600796 W 19960813

Abstract (en)
[origin: DE19529893A1] The invention relates to an electrical connector with a housing (1) of insulating material and a metal contact element (2) fittable in the housing (1). The contact element has a crimp contact region (4) to contact a first cable end (11) and a cutting clamp contact region (3) to contact a second cable (12). Such an arrangement is not suitable for contacting cables of different diameters via the cutting clamp contact region. According to the invention, the cutting clamp contact region (3) has two tension-relieving regions (5, 6), with the cutting clamp blades, which are fitted opposite one another in pairs (7, 8, 9, 10), arranged between them. Two pairs of cutting clamp blades (7, 10) are provided for small-diameter cables and two pairs (8, 9) are provided for large-diameter cables. The pairs of cutting clamp blades (8, 9) for small-diameter cables are arranged between those for large-diameter cables.

IPC 1-7
H01R 4/24

IPC 8 full level
H01R 4/24 (2006.01); **H01R 4/70** (2006.01)

CPC (source: EP US)
H01R 4/2454 (2013.01 - EP US); **H01R 4/2462** (2013.01 - EP US); **H01R 4/70** (2013.01 - EP US)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
DE 19529893 A1 19970220; BR 9610328 A 19991221; DE 59603299 D1 19991111; EP 0845160 A1 19980603; EP 0845160 B1 19991006; ES 2140115 T3 20000216; JP H11512214 A 19991019; US 5908326 A 19990601; WO 9707562 A1 19970227

DOCDB simple family (application)
DE 19529893 A 19950814; BR 9610328 A 19960813; DE 59603299 T 19960813; EP 96925930 A 19960813; ES 96925930 T 19960813; IB 9600796 W 19960813; JP 50909297 A 19960813; US 1105098 A 19980821