

Title (en)
Contact screw

Title (de)
Kontaktschraube

Title (fr)
Vis de contact

Publication
EP 0420060 B1 19960612 (DE)

Application
EP 90118192 A 19900921

Priority
DE 3932435 A 19890928

Abstract (en)
[origin: EP0420060A1] A contact screw is described for making contact with insulated leads or cables in a terminal, which screw has an attachment part (35) for the attachment of a tool, a threaded section (30) and a head section (10). The head section (10) comprises clearing devices to separate and clear away insulating material (8), and contact devices (13, 14) for making contact with the conductor material (9). In this contact screw, it is provided for the head section (10) to be constructed as a deformable hollow body (11), which is rotationally symmetrical about the longitudinal axis of the contact screw and has an internal space (15) whose diameter changes in the axial direction (X), an end edge (12) of the head section (10) forming the clearing devices, and an outline surface (13, 14) of the hollow body (11) forming the contact devices. When the contact screw is screwed into the terminal, a force acting in the axial direction on the head section (10) acts on the hollow body (11) with a force component (KR) in the radial direction. In a hollow body (11) which expands in the form of a funnel in the direction of the end edge (12), the inner jacket (13) can be pressed onto the conductor material when the contact screw is screwed in, clearing away the insulating material (8) by means of the end edge (12). If the hollow body (11) is moulded conversely, its outer outline (14) forms the contact surface. <IMAGE>

IPC 1-7
H01R 4/24

IPC 8 full level
H01R 4/24 (2006.01)

CPC (source: EP US)
H01R 4/2483 (2013.01 - EP US)

Cited by
EP0514924A1; FR2882469A1; GB2356296A; GB2356296B; AU760318B2; US6699062B1; WO0135495A1

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