

Title (en)
CONTACTING CLAMP

Publication
EP 0036587 A3 19811125 (DE)

Application
EP 81101887 A 19810313

Priority
DE 3011066 A 19800321

Abstract (en)
[origin: EP0036587A2] 1. A contacting clamp for connecting an electrical conductor (14) to a contact element, in particular to an electrode, comprising two clamping components (1, 2) which are mounted so as to be pivotable about an axis (3) in opposite directions to one another and between which a spring (23) acts to press together the front ends (6, 7) of the clamping components (1, 2), which serve to clamp the contact element, so long as the rear ends (10, 11) of the clamping components (1, 2), which are arranged on the other side of the axis (3), are not pressed together by hand in order to open the clamping connection, and comprising clamping jaws (6, 7) at the front ends of the clamping components (1, 2), which clamping jaws (6, 7) abut against the contact element in the clamped state under the action of force, and comprising an electrical connection inside one of the clamping components (1, 2) which electrically connects the electrical conductor (14) to the assigned clamping jaws (6, 7), and comprising respective box-shaped chambers (19, 21), which are open on one side, in the rear ends of the clamping components (1, 2), which chambers (19, 21) are so constructed and so mutually spatially arranged that they movably interlock during rotary movements of the clamping components (1, 2), wherein the one chamber (19) by means of its opening (22) projects into the opening (22) of the other chamber (21) in each clamping component position, so that in each clamping component position between the clamped and the opened state, an extensive sealing of the internal space with respect to the outside by the interlocking chambers (19, 21), and wherein the spring (23) for forcing apart the rear ends (10, 11) of the clamping components (1, 2) which are to be manually operated, is arranged in the chambers (19, 21), characterized in that the clamping components (1, 2), together with the chambers (19, 21), are manufactured as injection moulded synthetic resin components ; and that, at the front ends, the injection moulded components carry partially extrusion-coated clamping plates (4, 5) which are arranged on the sides of the clamping components (1, 2) and formed with notches (8, 9) and thereby serve as said clamping jaws (6, 7).

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CPC (source: EP)
H01R 11/24 (2013.01)

Citation (search report)
• US 3624590 A 19711130 - BOLDUC LEE R
• [A] US 3234497 A 19660208 - CONDRY WAYNE M
• [A] US 4178052 A 19791211 - EKBOM ROGER A [US], et al
• [A] US 4072388 A 19780207 - DUNN DAVID M

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