

Title (en)

SCREW CLAMP WITH U-SHAPED CLAMPING BODY

Title (de)

SCHRAUBKLEMME MIT U-FÖRMIGEM KLEMMKÖRPER

Title (fr)

BORNE A VIS COMPORTANT UN ELEMENT DE SERRAGE EN U

Publication

**EP 0707745 B1 19970827 (DE)**

Application

**EP 94918380 A 19940526**

Priority

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Abstract (en)

[origin: US5771983A] PCT No. PCT/EP94/01716 Sec. 371 Date Jan. 11, 1996 Sec. 102(e) Date Jan. 11, 1996 PCT Filed May 26, 1994 PCT Pub. No. WO95/02262 PCT Pub. Date Jan. 19, 1995 In a screw clamp (2) for connecting electrical conductors (36), the clamp body has a U-shaped sheet-metal component (4) between the arm sections (5, 6) of which is held a nut (9) to accept a clamping screw (11) and in which the end section (12) of the first arm section (5) is bent through 90 DEG towards the second arm section (6), bears upon the latter and has an opening (17) through which the clamping screw (11) can be inserted. To improve the mechanical strength of such a screw clamp (2) while at the same time reducing its structural height, the end section (15) of the second arm section (6) is also bent towards the first arm section (5) and has a screw opening (18), with the two end sections (12, 15) and the nut (9) being in mutual contact. This screw clamp is suitable for particularly high loading owing to lateral extensions (24, 25) of the outer end section (12) which transfix suitable recesses (27) in the inner end section (15) and mutually engage, and owing to a widening of the bridge (23) between the recess (7) and the screw opening (18) in the inner end section (15).

IPC 1-7

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IPC 8 full level

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