

Title (en)

Terminal for accumulators or the same.

Title (de)

Anschlussklemme für Akkumulator oder dergleichen.

Title (fr)

Borne de connexion pour accumulateur ou similaire.

Publication

EP 0451488 B1 19950426 (DE)

Application

EP 91103063 A 19910301

Priority

- DE 4011378 A 19900407
- DE 9004073 U 19900407

Abstract (en)

[origin: EP0451488A1] In a connecting terminal (1) for the pole of a battery, the terminal screw (6) which runs at the side of the pole and of the terminal opening (3) for this pole is oriented approximately parallel to the pole axis and to the fitment axis onto the pole, and, when it is pulled on by means of the mating thread over an oblique surface (9) and a mating surface (10), which is preferably likewise oblique, operates the two terminal jaws (4 and 5) towards one another so that simple assembly is possible, even using robots. The oblique surfaces which convert the axial movement of the screw may be arranged either on a mating nut 11 or on the screw head 12 or along a slot A which separates the two terminal jaws on the sides of the terminal opening 3. <IMAGE>

[origin: EP0451488A1] The terminal clamp has a main body (4) with a main aperture (3) that fits over the terminal post of the battery and has a slit end (A) that leads to a section that receives a screw (12). The screw threads into a captive nut located in a recess. The nut has a formed 'V' groove that locates against angled surfaces on the clamp. When the screw is tightened the force on the angled surfaces cause the gap (A) to close and a radial force is applied to the post.

IPC 1-7

H01R 11/28

IPC 8 full level

H01R 11/28 (2006.01)

CPC (source: EP)

H01R 11/283 (2013.01)

Cited by

EP0582854A1; NL9300548A; EP0606068A1; US5454741A; DE102016209728A1; DE102018204241A1; US8691756B2; DE102016012216A1; DE102017113269B4; EP3352304A1; EP2713444A1; EP2713445A1; DE102017217509A1

Designated contracting state (EPC)

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EP 0451488 A1 19911016; EP 0451488 B1 19950426; AT E121871 T1 19950515; DE 4011378 A1 19911010; DE 59105291 D1 19950601; DE 9004073 U1 19900613

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