

Title (en)
FRAME CLAMP FOR CONNECTING AN ELECTRIC CONDUCTOR

Publication
EP 0240822 B1 19920729 (DE)

Application
EP 87104224 A 19870323

Priority
DE 3611366 A 19860404

Abstract (en)
[origin: US4790778A] A terminal assembly for a quick-connect terminal for connecting electrical conductors to a bus bar of associated electric equipment comprises a conductor frame extending around the bus bar with a thread for a terminal screw surrounded by a U-shaped pressure piece guided in the electrical conductor connecting region by the terminal screw. The terminal assembly is inserted into a longitudinal channel of an insulating cover from the bottom and is snapped into the cover. Two stacked funnels are provided in the cover for insertion of two electrical conductors per terminal assembly. The bus bar of the equipment is inserted into the cover and the terminal assembly transversely to the direction of insertion of the terminal assembly. The cover is secured to the equipment in such a way that it locks the terminal assembly in place within the cover. The insulating cover is so arranged about the electrical conductors and the bus bar of the equipment that the combination is safe from inadvertent human contact with the electrical connections.

IPC 1-7
H01R 4/36

IPC 8 full level
H01R 9/18 (2006.01); **H01R 4/36** (2006.01); **H01R 4/38** (2006.01); **H01R 9/00** (2006.01); **H01R 9/16** (2006.01)

CPC (source: EP US)
H01R 4/363 (2013.01 - EP US)

Cited by
DE29707161U1

Designated contracting state (EPC)
AT CH DE FR GB IT LI SE

DOCDB simple family (publication)
EP 0240822 A1 19871014; EP 0240822 B1 19920729; AT E78956 T1 19920815; DE 3780672 D1 19920903; IN 164670 B 19890506; JP 2707514 B2 19980128; JP S62241272 A 19871021; US 4790778 A 19881213

DOCDB simple family (application)
EP 87104224 A 19870323; AT 87104224 T 19870323; DE 3780672 T 19870323; IN 275CA1987 A 19870406; JP 8215087 A 19870401; US 3414187 A 19870402