

Title (en)

A spring-force clamp connector, a low-voltage switching device, a system comprising low-voltage switching devices, and a method for electrically connecting low-voltage switching devices to each other

Title (de)

Federkraftklemmverbinder, Niederspannungsschaltgerät, Niederspannungsschaltgeräte umfassendes System, und Verfahren zum elektrischen Verbinden von Niederspannungsschaltgeräten untereinander

Title (fr)

Connecteur de serrage à force de ressort, appareil interrupteur de basse tension, système comprenant des appareils interrupteur de basse tension, et procédé pour connexion électrique des appareils interrupteur de basse tension les uns par rapport aux autres

Publication

EP 1833066 A1 20070912 (EN)

Application

EP 06004567 A 20060307

Priority

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Abstract (en)

A spring-force clamp connector (20) comprises a leaf spring (28) and a holder (29), the leaf spring (28) comprising at its respective upper part a cut-out region (26) having a side (25) which is adapted to clamp an electrical conductor that is pressed through said cut-out region (26) between said side (25) and a counterpart wall (33) of said holder (29). The holder (29) comprises a cut-out region (27) and the leaf spring (28) is adapted to clamp a further electrical conductor (17) that is pressed through said cut-out-region (27) between said leaf spring (28) and said counterpart wall (33). Independent claims for a low-voltage switching device and for a method for electrically connecting low-voltage switching devices.

IPC 8 full level

H01H 1/58 (2006.01); **H01R 4/48** (2006.01)

CPC (source: EP)

H01H 1/5844 (2013.01); **H01R 4/48455** (2023.08); **H01R 9/2458** (2013.01)

Citation (applicant)

EP 1026782 A1 20000809 - SCHNEIDER ELECTRIC IND SA [FR]

Citation (search report)

- [X] US 4768981 A 19880906 - HOHORST WOLFGANG [DE]
- [X] EP 1022808 A2 20000726 - WAGO VERWALTUNGS GMBH [DE]
- [X] DE 7832646 U1 19790215
- [A] US 6126494 A 20001003 - FUCHS HELMUT [DE], et al
- [DA] EP 1026782 A1 20000809 - SCHNEIDER ELECTRIC IND SA [FR]
- [A] "SCHRAUBENLOS UND MISCHBAR", ELEKTROTECHNIK, VOGEL VERLAG K.G. WURZBURG, DE, vol. 75, no. 12, 17 December 1993 (1993-12-17), pages 40 - 41, XP000424452, ISSN: 1431-9578

Cited by

WO2012084407A1; CN103329357A; US9209552B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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