

Title (en)
Connecting device

Title (de)
Anschlussvorrichtung

Title (fr)
Dispositif de connexion

Publication
EP 2690637 A1 20140129 (EN)

Application
EP 12177501 A 20120723

Priority
EP 12177501 A 20120723

Abstract (en)

A connecting device suitable for connecting a movable conducting terminal of a switching device to a stationary conducting terminal of a switchgear apparatus, comprises: - a support body suitable for being fastened to the movable conducting terminal; - a plier assembly projecting from the support body parallelly to a first axis and delimiting a coupling cavity for receiving the stationary conducting element, the coupling cavity extending along the first axis and along a second axis orthogonal to the first axis, - insertion-contact-means having leading-surfaces configured for promoting a resilient deformation of the plier assembly upon a contacting-pushing-action of the stationary conducting terminal for enabling insertion of the latter into the coupling cavity, the leading-surfaces comprising zones sloping along planes which are parallel to the second axis and tilted with respect to the first axis, and further zones sloping along further planes which are tilted with respect to the second axis, so as to enable an insertion of the stationary conducting element into the coupling cavity along an insertion-direction which can be parallel or transversal to the first axis.

IPC 8 full level
H01H 1/42 (2006.01); **H01H 31/00** (2006.01)

CPC (source: EP)
H01H 1/42 (2013.01); **H01H 31/003** (2013.01)

Citation (search report)

- [XY] DE 1665986 A1 19710415 - SIEMENS AG
- [XY] DD 133875 A1 19790124 - WOLDMANN GERD, et al
- [Y] DE 69510154 T2 19991216 - GEC ALSTHOM T & D SA [FR]
- [Y] US 8197289 B1 20120612 - FABER TIMOTHY R [US], et al

Cited by
CN107424851A; CN112635211A; EP4404393A1; EP4024424A1; US10079130B2; US11936146B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2690637 A1 20140129; WO 2014016095 A1 20140130

DOCDB simple family (application)
EP 12177501 A 20120723; EP 2013064114 W 20130704