

Title (en)
INTERMEDIATE PLUG FOR DISCONNECTING A DC VOLTAGE

Title (de)
ZWISCHENSTECKER ZUR GLEICHSPANNUNGSABSCHALTUNG

Title (fr)
ADAPTATEUR POUR RÉALISER UNE INTERRUPTION DE TENSION CONTINUE

Publication
EP 4371194 A1 20240522 (DE)

Application
EP 22747306 A 20220707

Priority

- BE 202105538 A 20210712
- EP 2022068924 W 20220707

Abstract (en)
[origin: WO2023285283A1] The invention relates to an intermediate plug (1) for disconnecting a DC voltage, comprising a housing (2), a first connection (3) for connecting a first electric line, and a second connection (4) for connecting a second electric line. An electrically conductive switchable connection (5) is produced between the first connection (3) and the second connection (4). By virtue of the intermediate plug (1), the occurrence of an arc can be easily prevented when separating an electric line connected to the intermediate plug in that a switch device (8) is arranged in the housing (2) for switching the electrically conductive connection (5) between the first connection (3) and the second connection (4), wherein the switch device (8) can be brought from a first switch state into a second switch state, the electrically conductive connection (5) is separated and/or blocks a current in the first switch state, and the electrically conductive connection (5) is closed and/or conducts a current in the second switch state; in that the intermediate plug (1) has a locking device (9, 10) for locking the first line in the connected state and for locking the second line in the connected state, said locking device (9, 10) being capable of being brought from an unlocking position into a locking position; and in that the switch device (8) is brought from the first switch state into the second switch state by bringing the locking device (9, 10) from the unlocking position into the locking position.

IPC 8 full level
H01R 13/639 (2006.01); **H01R 13/53** (2006.01); **H01R 13/70** (2006.01); **H01R 31/06** (2006.01)

CPC (source: EP)
H01R 13/639 (2013.01); **H01R 13/701** (2013.01); **H01R 31/065** (2013.01); **H01R 13/53** (2013.01)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2023285283 A1 20230119; BE 1029583 A1 20230203; BE 1029583 B1 20230206; CN 117616645 A 20240227; EP 4371194 A1 20240522

DOCDB simple family (application)
EP 2022068924 W 20220707; BE 202105538 A 20210712; CN 202280048857 A 20220707; EP 22747306 A 20220707