

Title (en)
CLOSURE DEVICE

Title (de)
VERSCHLUSSVORRICHTUNG

Title (fr)
DISPOSITIF DE FERMETURE

Publication
EP 3652399 A1 20200520 (DE)

Application
EP 18746584 A 20180706

Priority
• DE 102017212152 A 20170714
• EP 2018068440 W 20180706

Abstract (en)
[origin: WO2019011821A1] The invention relates to a closure device for connecting two parts, comprising a plug and a housing that comprises a plug receiving area into which the plug can be inserted in a closing direction in order to close the closure device. A slide which is movably arranged on the housing can be moved along an opening direction differing from the closing direction in order to open the closure device, and a latching spring element which is elastically arranged on the slide holds the plug against the housing in a latching manner in a closed position of the closure device and can be moved out of engagement with the plug by moving the slide in the opening direction so as to open the closure device in order to release the plug from the housing such that the plug is separated from the housing in the open position of the closure device. Additionally, at least one first electric contact element (200, 211) is arranged on the plug (2), and at least one second electric contact element (303) is arranged on the housing (3) or the slide (4), wherein the at least one first electric contact element (200, 211) and the at least one second electric contact element (303) electrically contact each other in the closed position.

IPC 8 full level
E05B 83/30 (2014.01); **A44B 11/25** (2006.01); **A44B 11/26** (2006.01); **A45C 13/10** (2006.01); **A45C 13/12** (2006.01); **E05B 15/00** (2006.01); **E05B 47/00** (2006.01); **E05B 65/52** (2006.01)

CPC (source: EP)
A44B 11/2515 (2013.01); **A44B 11/258** (2013.01); **A44B 11/266** (2013.01); **A45C 13/1069** (2013.01); **A45C 13/1092** (2013.01); **A45C 13/123** (2013.01); **A44D 2203/00** (2013.01)

Citation (search report)
See references of WO 2019011821A1

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)
WO 2019011821 A1 20190117; DE 102017212152 A1 20190117; EP 3652399 A1 20200520; EP 3652399 B1 20230412

DOCDB simple family (application)
EP 2018068440 W 20180706; DE 102017212152 A 20170714; EP 18746584 A 20180706