

Title (en)

CLOSURE DEVICE FOR CONNECTING TWO PARTS

Title (de)

VERSCHLUSSVORRICHTUNG ZUM VERBINDEN ZWEIER TEILE

Title (fr)

DISPOSITIF DE VERROUILLAGE PERMETTANT D'ASSEMBLER DEUX PIÈCES

Publication

EP 2929115 A2 20151014 (DE)

Application

EP 13817896 A 20131204

Priority

- DE 10201222344 A 20121205
- EP 2013075552 W 20131204

Abstract (en)

[origin: WO2014086874A2] A closure device for connecting two parts comprises a first closure part, a second closure part which, for the closing of the closure device, can be fitted onto the first closure part in a closing direction, and, in a closed position, is held on the first closure part and, in order to open the closure device, is movable with respect to the first closure part in an opening direction different from the closing direction and, after the closure device has been opened, is removable from the first closure part counter to the closing direction in order to separate the closure parts, and magnetic means which act between the first closure part and the second closure part in order to assist the closing of the closure device by providing a magnetic attraction force. Blocking means (25, 253; 32, 322; 27) are provided here and are designed to block a movement back of the second closure part (3) relative to the first closure part (2) counter to the opening direction (O) during the separation of the closure parts (2, 3). A closure device is thereby provided, in which the opening can take place in a haptically pleasant manner and, in particular, snapping shut directly after the opening is not readily possible.

IPC 8 full level

E05C 19/16 (2006.01)

CPC (source: EP US)

E05C 19/02 (2013.01 - EP US); **E05C 19/16** (2013.01 - EP US); **Y10T 292/11** (2015.04 - EP US)

Citation (search report)

See references of WO 2014086874A2

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Designated extension state (EPC)

BA ME

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DE 10201222344 A1 20140605; EP 2929115 A2 20151014; EP 2929115 B1 20180404; US 10202790 B2 20190212; US 2016010371 A1 20160114; WO 2014086874 A2 20140612; WO 2014086874 A3 20141127

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