

Title (en)

CLOSURE DEVICE FOR DETACHABLY CONNECTING TWO PARTS

Title (de)

VERSCHLUSSVORRICHTUNG ZUM LÖSBAREN VERBINDEN ZWEIER TEILE

Title (fr)

DISPOSITIF DE FERMETURE PERMETTANT DE RELIER DEUX PIÈCES DE MANIÈRE DÉTACHABLE

Publication

EP 3405062 A1 20181128 (DE)

Application

EP 16828718 A 20161219

Priority

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- EP 2016081805 W 20161219

Abstract (en)

[origin: WO2017125229A1] A closure device (1) for detachably connecting two parts to one another comprises a first closure part (2) which has at least two first magnetic sections (21) which are spaced apart from one another and form an intermediate space (22) between one another, and a second closure part (3) which has at least one second magnetic section (31), wherein the first closure part (2) and the second closure part (3) can be attached to one another along a closure direction (Z) in such a way that the closure device (1) assumes a closed position in which the at least one second magnetic section (31) is accommodated at least partially by the intermediate space (22). In the closed position, an attractive magnetic force (K1, K2), which is directed substantially perpendicular to the closure direction (Z), thereby acts both between the at least one second magnetic section (31) and each of the at least two first magnetic sections (21) forming the intermediate space (22). In addition, the first closure part (2) has at least one first form-locking locking section (23), and the second closure part (3) has at least one second form-locking section (33), wherein, in the closed position, the at least one first form-locking section (23) and the at least one second form-locking section (33) engage with one another in a form-locking manner to prevent a relative movement of the closure parts (2, 3) against one another in parallel to the closure direction (Z).

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2017125229A1

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BA ME

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