

Title (en)
LEVER-CONTROLLABLE MAGNETIC BUCKLE

Title (de)
DURCH HEBEL STEUERBARE, MAGNETISCHE SCHNALLE

Title (fr)
BOUCLE MAGNÉTIQUE CONTRÔLABLE PAR LEVIER

Publication
EP 4082378 A1 20221102 (EN)

Application
EP 21171045 A 20210428

Priority
EP 21171045 A 20210428

Abstract (en)
A lever-controllable magnetic buckle includes a male member (20) having a male engaging section (24), a female member (30) having a female engaging section (33) formed with two groups of female guide-out surface (334, 335), and a control lever (60). The male member (20) is magnetically attracted for moving to the female member (30) with the male engaging section (24) retained to the female engaging section (33). The control lever (60) is pivotally connected to the male member (20) and has an actuating cam (61) contacting with the female member (30). The female member (30) will contact with surfaces of the actuating cam (61) at different positions thereof when the control lever (60) is pivotally swung relative to the male member (20), allowing the male engaging section (24) to disengage from the female engaging section (33). Then, the control lever (60) can be further swung to move the male member (20) in different directions to selectively contact with one of the two groups of female guide-out surface (334, 335) and be completely separated from the female member (30).

IPC 8 full level
A44B 11/25 (2006.01)

CPC (source: EP)
A44B 11/2584 (2013.01); **A44D 2203/00** (2013.01)

Citation (search report)
• [X] EP 3738460 A1 20201118 - WOOJIN PLASTIC CO LTD [KR]
• [A] AT 521142 A4 20191115 - EDGAR LILL [AT]
• [A] WO 2008006356 A2 20080117 - FIEDLER JOACHIM [DE]

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)
EP 4082378 A1 20221102

DOCDB simple family (application)
EP 21171045 A 20210428