

Title (en)

Magnetic attachment loop with permanent magnets and mechanical locking

Title (de)

Magnetische Befestigungsschnalle zur Befestigung an Dauermagneten und mit mechanischer Verriegelung

Title (fr)

Boucle d'attache magnétique à aimants permanents et à verrouillage mécanique

Publication

**EP 2508095 B1 20150520 (FR)**

Application

**EP 12354026 A 20120402**

Priority

FR 1101039 A 20110406

Abstract (en)

[origin: EP2508095A1] The buckle (10) has a plug-in element (11) provided with a permanent magnet (17) and locking arms (15, 16) that occupy locked and unlocked positions. A receiving element (12) includes an open space (21) into which the plug-in element is enclosed by magnetic attraction. A body (13) of the plug-in element has a pair of guiding pins (30) protruding on sides of central opening (18) housing the magnet. The pins are parallel to a longitudinal axis of the buckle and the receiving element is provided with a flat support plate (19) to ensure a self-centering effect of the plug-in element in the axis.

IPC 8 full level

**A44B 11/26** (2006.01); **A45C 13/10** (2006.01)

CPC (source: EP US)

**A44B 11/266** (2013.01 - EP US); **Y10T 24/32** (2015.01 - EP US)

Cited by

FR3026280A1; CN114126443A; AU2020203755B2; AU2022231784B2; WO2019063948A2; US11377167B2; US11925241B2; EP3494826A1; US11140946B2; US11712090B2; WO2021197222A1; EP4125487B1; US10874178B2; US11758987B2; US11758988B2; US11903455B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2508095 A1 20121010**; **EP 2508095 B1 20150520**; CN 102726891 A 20121017; CN 102726891 B 20160120; ES 2543155 T3 20150817; FR 2973659 A1 20121012; FR 2973659 B1 20140404; US 2012255144 A1 20121011; US 8914951 B2 20141223

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