

Title (en)
Clamp device for shoelaces

Title (de)
Klemmvorrichtung für Schnürsenkel

Title (fr)
Dispositif de serrage pour lacets de chaussure

Publication
EP 2529639 A1 20121205 (DE)

Application
EP 12004092 A 20120525

Priority
DE 102011102344 A 20110525

Abstract (en)
The clamping device comprises a housing (1), which passes through two channels for accommodating laces (26,28). The channel is attached with movable clamping bolts, where the channel is formed, such that the cross section of the channel is reduced depending on the position of respective clamping bolts. The mutually connected clamping bolts have an operable lever, with which the clamping bolts are moved. The height of the channels between the clamping bolt and opposite walls of the channels is in a direction perpendicular to the direction of connection between the channels. An independent claim is included for a boot with a shaft.

Abstract (de)
Klemmvorrichtung zur lösbaren Fixierung von Schnürsenkeln (26, 28) mit einem Gehäuse (1) und zwei das Gehäuse (1) durchquerenden Kanälen (25, 27) zur Aufnahme jeweils eines Schnürsenkels (26, 28), wobei jedem Kanal (25, 27) ein in Richtung des Kanals verschiebbarer Klemmbolzen (41,43) zugeordnet ist und die Kanäle (25, 27) so ausgebildet sind, dass ihr Querschnitt in Abhängigkeit von der Position des jeweiligen Klemmbolzen (41, 43) verringert werden kann, um die in den Kanälen (25, 27) angeordneten Schnürsenkel (26, 28) festzuklemmen.

IPC 8 full level
A43C 7/00 (2006.01); **A43C 7/08** (2006.01); **A43C 1/00** (2006.01)

CPC (source: EP)
A43C 7/00 (2013.01); **A43C 11/20** (2013.01)

Citation (search report)
• [XAI] US 2200895 A 19400514 - RIO CLARENCE J
• [XII] US 2008250618 A1 20081016 - STRAMARE SERGIO [IT], et al
• [XA] WO 03103432 A1 20031218 - K 2 CORP [US]
• [XA] US 6178606 B1 20010130 - GLENDON SEAN T [US]
• [X] EP 1103198 A1 20010530 - ZANATA S P A [IT]
• [I] DE 112006001579 T5 20080430 - K 2 CORP [US]
• [A] US 2004078999 A1 20040429 - FREED ANNA B [US]
• [A] DE 19710702 A1 19980917 - HANSEN REINHARD [AT], et al

Cited by
DE202022001822U1

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)
EP 2529639 A1 20121205; **EP 2529639 B1 20180606**; DE 102011102344 A1 20121129; DE 102011102344 B4 20150910; ES 2677096 T3 20180730

DOCDB simple family (application)
EP 12004092 A 20120525; DE 102011102344 A 20110525; ES 12004092 T 20120525