

Title (en)
Shoelace fastener

Title (de)
Verschluss für Schnürsenkel

Title (fr)
Système d'attache de lacet

Publication
EP 1695641 A1 20060830 (EN)

Application
EP 05251079 A 20050224

Priority
EP 05251079 A 20050224

Abstract (en)
A shoelace fastener (100,100',100",500) for a shoe includes a clamp unit (30,30',30") and a pull lace (10,10',10",510). The clamp unit (30,30',30") includes at least one generally U-shaped flexible string section (31,31',31",530) defining an opening (33,520), and at least one clamp member (40,40") attached slidably to and extending across the flexible string section (31,31',31",530) to divide the opening (33,520) into a first aperture (331) and a second aperture (332). The flexible string section (31,31',31",530) has a U-bend (32,32") cooperating with the clamp member (40,40") to confine the second aperture (332). The clamp member (40,40") is slidable along the flexible string section (31,31',31",530) between a clamping position in which the clamp member (40,40") moves toward the U-bend (32, 32"), and a releasing position in which the clamp member (40,40") moves away from the U-bend (32,32"). The pull lace (10,10',10",510) is connected to the flexible string section (31,31',31",530) for pulling the flexible string section (31,31',31",530) so that the clamp member (40,40") slides along the flexible string section (31,31',31",530) to the releasing position.

IPC 8 full level
A43C 7/08 (2006.01)

CPC (source: EP)
A43C 7/08 (2013.01)

Citation (search report)
• [A] US 2004154193 A1 20040812 - LIU KUN-CHUNG [TW]
• [A] US 2005015947 A1 20050127 - LIU KUN-CHUNG [TW]
• [A] US 4680835 A 19870721 - HORNG SHENG-CHORNG [TW]
• [A] US 6718602 B1 20040413 - CHANG CHAO-NAN [TW]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

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