

Title (en)
Automated tightening shoe

Title (de)
Schuh mit automatischem Verschluss

Title (fr)
Chaussure avec serrage automatique

Publication
EP 1440627 B1 20060322 (EN)

Application
EP 03250449 A 20030124

Priority
EP 03250449 A 20030124

Abstract (en)
[origin: EP1440627A1] An automated tightening shoe (100) includes a sole (11) , an upper (12) , a closure member (20), a tightening mechanism (30), and a drive unit (40). The tightening mechanism (30) includes a first fastener (31) mounted on the upper (12) , and a second fastener (32) connected to the closure member (20) and capable of removable engagement with the first fastener (31) so as to retain releasably the closure member (20) at a tightened state. The drive unit (40) is mounted inside the sole (11), and is operable so as to pull the second fastener (32) toward the first fastener (31) in order to inter-engage the first and second fasteners (31, 32), thereby resulting in automated tightening of the shoe (100).
<IMAGE>

IPC 8 full level
A43C 1/00 (2006.01); **A43B 11/00** (2006.01); **A43C 11/00** (2006.01)

CPC (source: EP)
A43B 3/34 (2022.01); **A43B 11/00** (2013.01); **A43C 1/00** (2013.01); **A43C 11/008** (2013.01); **A43C 11/165** (2013.01)

Cited by
FR2924577A1; DE102005036013A1; CN111836562A; GB2449722A; GB2449722B; KR20230025495A; US11684110B2; US11439203B2; WO2009071652A1; US11707113B2; US11185125B2; WO2021108034A1; US9241539B1; US11589653B2

Designated contracting state (EPC)
DE ES FR GB IT PT

DOCDB simple family (publication)
EP 1440627 A1 20040728; EP 1440627 B1 20060322; DE 60304116 D1 20060511; DE 60304116 T2 20060817

DOCDB simple family (application)
EP 03250449 A 20030124; DE 60304116 T 20030124