

Title (en)
APPARATUS FOR FOOTWEAR

Title (de)
VORRICHTUNG ZUR FUSSBEKLEIDUNG

Title (fr)
DISPOSITIF POUR CHAUSSURE

Publication
EP 1443834 A1 20040811 (DE)

Application
EP 02787592 A 20021107

Priority
• DE 20118134 U 20011107
• EP 0212434 W 20021107

Abstract (en)
[origin: WO03039283A1] The aim of the invention is to provide a shoe which can be opened and/or shut without any substantial assistance from the hands and/or which does not open in an undesirable manner when unrolled. The inventive shoe (1) comprises at least one sole (17, 17'), at least one upper part (6) and at least one bi-stable element (5). The bi-stable element is preferably configured in a flat manner, comprising leaf-spring type sections (2) and can be arranged on the sole (17, 17') or be embedded therein.

IPC 1-7
A43B 11/00

IPC 8 full level
A43B 11/00 (2006.01); **A43C 11/12** (2006.01)

CPC (source: EP)
A43B 11/00 (2013.01); **A43B 13/141** (2013.01); **A43C 11/12** (2013.01)

Citation (search report)
See references of WO 03039283A1

Cited by
DE102009023689A1; DE202014100294U1; DE102009023689B4; WO2020020943A1; US10455900B2; WO2010139456A1; DE102021119331A1; WO2023006300A1

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

DOCDB simple family (publication)
DE 20118134 U1 20020314; DE 50209307 D1 20070308; EP 1443834 A1 20040811; EP 1443834 B1 20070117; WO 03039283 A1 20030515

DOCDB simple family (application)
DE 20118134 U 20011107; DE 50209307 T 20021107; EP 0212434 W 20021107; EP 02787592 A 20021107