

Title (en)  
BOUNCING SHOE

Title (de)  
SPRUNGSCHUH

Title (fr)  
CHAUSSURE DE SAUT

Publication  
**EP 3558476 B1 20210428 (DE)**

Application  
**EP 17829969 A 20171220**

Priority  
• DE 102016125254 A 20161221  
• EP 2017083961 W 20171220

Abstract (en)  
[origin: WO2018115211A1] A bouncing shoe (100) is provided, with a foot part (9) which has a flat support plate for a foot or a shoe (50), a guide (11) connected to the foot part (9), a connection element (6) which is mounted longitudinally displaceably in the guide (11), a first energy storage element (7) which is pretensioned upon a displacement of the connection element (6) along the guide (11), a bottom part (1) with an angle element (2) which forms the contact point of the bouncing shoe system (100) with a ground surface (200), an elongate connection (3) which is connected to the angle element (2) via a first bearing shaft (12), a second energy storage element (8), which is connected to connection element (6) via a second bearing shaft (13) and to the connection (3) with a third bearing shaft (14), a support body (4) which is connected via the second bearing shaft (13) to the connection element (6) and via a fourth bearing shaft (15) to the connection (3), wherein the fourth bearing shaft (15) is arranged on the connection (3) between the third bearing shaft (14) and the first bearing shaft (12), a deflection element (5) which is connected via a fifth bearing shaft (16) to the foot part (9) and via the fourth bearing shaft (15) to the connection (3) and the support body (4), wherein the energy reservoir (8) is pretensioned upon a movement of the connection (3) and of the support body (4) about the first bearing shaft (15), wherein, during a movement of the foot part (9) relative to the bottom part (1), the connection element (6) is displaced along the guide (11) and the angle element (2) and the connection (3) are pivoted about the first bearing shaft (12), the connection (3), the support body (4) and the deflection element (5) are pivoted about the fourth bearing shaft (15), the connection (3) and the second energy storage element (8) are pivoted about the third bearing shaft (14), the support body (4) and the connection element (6) are pivoted about the second bearing shaft (13), and the deflection element (5) and the foot part (9) are pivoted about the fifth bearing shaft (16). A bouncing shoe system with two of these bouncing shoes (100) is also provided.

IPC 8 full level  
**A63B 25/10** (2006.01)

CPC (source: EP)  
**A63B 25/10** (2013.01)

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

DOCDB simple family (publication)  
**DE 102016125254 B3 20180524**; EP 3558476 A1 20191030; EP 3558476 B1 20210428; WO 2018115211 A1 20180628

DOCDB simple family (application)  
**DE 102016125254 A 20161221**; EP 17829969 A 20171220; EP 2017083961 W 20171220