

Title (en)

Rotary type adjustable cushioning mechanism of a treadmill

Title (de)

Durch Drehung einstellbarer Polsterungsmechanismus eines Laufbands

Title (fr)

Mécanisme de conversion réglable de type rotatif d'un tapis roulant

Publication

EP 2656881 A1 20131030 (EN)

Application

EP 12165647 A 20120426

Priority

EP 12165647 A 20120426

Abstract (en)

There is disclosed a rotary type adjustable cushioning mechanism of a treadmill (10), comprising a cushioning unit (20) being interposed the base frame (11) and the running board such that an expected and proper cushioning effect is created after the running board is subject to a force. The cushioning unit (20) consists of two regulating mechanisms (22) and a resilient element (30). Each of the regulating mechanisms includes a scale displaying disc, an adjustment knob, a transmission gear set, a position-adjusting threaded bolt, an elastic cushioning element, a coupled compression lever, and a coupled bracket pivotably attached to the running board. The resilient element (30) is pivotably connected between both of the coupled brackets. When the adjustment knob is turned, the elastic cushioning element (20) can move up and down on the position-adjusting threaded bolt, thereby changing the compression force between the elastic cushioning element and the coupled compression lever. As a result, the cushioning force acting on the running board can be effectively adjusted.

IPC 8 full level

A63B 22/02 (2006.01)

CPC (source: EP)

A63B 22/02 (2013.01); **A63B 22/0214** (2015.10); **A63B 22/0228** (2015.10)

Citation (search report)

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- [A] US 2009181829 A1 20090716 - WU SHEN YI [TW]
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Designated contracting state (EPC)

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Designated extension state (EPC)

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