

Title (en)

CONTROL SYSTEMS AND FOOT-RECEIVING DEVICE PRODUCTS CONTAINING SUCH SYSTEMS

Title (de)

STEUERSYSTEME UND FUSSAUFNAHMEVORRICHTUNGSPRODUKTE MIT SOLCHEN SYSTEMEN

Title (fr)

SYSTEMES DE COMMANDE ET DISPOSITIF DE RECEPTION DE PIED, AINSI QUE PRODUITS CONTENANT DES SYSTEMES

Publication

EP 1919318 A1 20080514 (EN)

Application

EP 06773634 A 20060621

Priority

- US 2006024015 W 20060621
- US 17748905 A 20050711

Abstract (en)

[origin: US2007006489A1] Foot-receiving devices, such as articles of footwear, include: (a) a sensing device that senses a characteristic of an interaction between a user's foot and a foot-receiving device; (b) a control system that receives output from the sensing device and controls a characteristic of the foot-receiving device based on this output; and (c) a monitoring system for detecting and/or storing data indicating speed or distance information associated with use of the foot-receiving device. The monitoring system may receive input from the same sensing device used for providing data to the control system. The control system may alter the impact attenuation characteristics, the traction characteristics, the flexibility characteristics, the fit characteristics, or the like of the article of footwear. Methods of making and using such foot-receiving devices also are described.

IPC 8 full level

A43B 5/06 (2006.01); **A43B 7/24** (2006.01); **A43B 13/18** (2006.01); **A43D 1/02** (2006.01); **A61B 5/103** (2006.01); **G01C 22/00** (2006.01)

CPC (source: EP US)

A43B 3/34 (2022.01 - EP US); **A43B 5/06** (2013.01 - EP US); **A43B 7/24** (2013.01 - EP US); **A43B 13/181** (2013.01 - EP US); **A43D 1/027** (2013.01 - EP US); **A61B 5/1038** (2013.01 - EP US); **A61B 5/6807** (2013.01 - EP US); **G01C 22/006** (2013.01 - EP US)

Citation (search report)

See references of WO 2007008352A1

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2007006489 A1 20070111; BR PI0612798 A2 20101130; CN 101217894 A 20080709; CN 101217894 B 20110615; EP 1919318 A1 20080514; JP 2009500141 A 20090108; JP 5220600 B2 20130626; WO 2007008352 A1 20070118

DOCDB simple family (application)

US 17748905 A 20050711; BR PI0612798 A 20060621; CN 200680025216 A 20060621; EP 06773634 A 20060621; JP 2008521397 A 20060621; US 2006024015 W 20060621