

Title (en)

Sole construction for shoes with air pump device

Title (de)

Sohlenkonstruktion für Schuhwerk mit Luftpumpeinrichtung

Title (fr)

Construction de semelle pour chaussure dotée d'un dispositif de pompe à air

Publication

EP 2218348 B1 20130814 (DE)

Application

EP 09002216 A 20090217

Priority

EP 09002216 A 20090217

Abstract (en)

[origin: EP2218348A1] The sole construction has an air pump device (212) implementing an air pump function in response to walking movement of a user of a shoe such that air is sucked over an air guide (225) from outside of a sole body. The device compresses air in a part of the body connected with the device over another air guide (226). A valve (224) is arranged in one of the air guides such that air passes through the valve towards a sole body outer side in the device. Another valve (227) is arranged in the other guide such that air passes through the valve towards the device to another part of the body. An independent claim is also included for a shoe comprising a shaft and a sole construction.

IPC 8 full level

A43B 7/12 (2006.01); **A43B 7/08** (2006.01)

CPC (source: EP)

A43B 7/081 (2013.01); **A43B 7/125** (2013.01)

Citation (examination)

US 2002194747 A1 20021226 - PASSKE JOEL L [US], et al

Cited by

DE112011100034C5; ES2537262A1; WO2015063355A1; EP3461358A1; WO2019068403A1; EP3345499A1; WO2018127308A1; EP3318147A1; WO2018082942A1; US10477914B2; EP2688435B1; EP2688435A1

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

EP 2218348 A1 20100818; EP 2218348 B1 20130814; EP 2398347 A1 20111228; EP 2398347 B1 20151007; WO 2010094448 A1 20100826

DOCDB simple family (application)

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