

Title (en)

A SYSTEM AND METHOD FOR STABILIZING FOOTWEAR

Title (de)

SYSTEM UND VERFAHREN ZUR STABILISIERUNG VON SCHUHWERK

Title (fr)

SYSTÈME ET PROCÉDÉ DE STABILISATION DE CHAUSSURES

Publication

EP 3745898 A4 20211124 (EN)

Application

EP 17936977 A 20171208

Priority

- US 201615357374 A 20161121
- US 2017065476 W 20171208

Abstract (en)

[origin: US2018140044A1] A footwear stabilizing system is provided. The system comprises an upper and a sole attached to the upper. The sole comprises an outsole comprising an inner surface formed in a biomechanically correct shape and an insert attached to the outsole, the insert comprising at least one of single piece of material and a fluid-filled bag. The insert is configured to conform to and stabilize a human foot upon impact. The outsole is configured to match a common curvature of a heel and arch of the foot. The insert is constructed of and/or contains non-Newtonian material. The outsole is configured with a shaped heel cup configured to absorb impact across entire heel. The outsole works in conjunction with the insert to provide foot stabilization and arch support. The insert reacts at each step to foot shape and provides support upon impact.

IPC 8 full level

A43B 7/00 (2006.01); **A43B 7/14** (2006.01); **A43B 7/24** (2006.01); **A43B 7/28** (2006.01); **A43B 13/00** (2006.01); **A43B 13/12** (2006.01); **A43B 13/18** (2006.01); **A43B 17/02** (2006.01)

CPC (source: EP US)

A43B 7/141 (2013.01 - EP US); **A43B 7/24** (2013.01 - EP US); **A43B 7/28** (2013.01 - EP US); **A43B 13/12** (2013.01 - EP US); **A43B 13/189** (2013.01 - EP US); **A43B 17/026** (2013.01 - EP US)

Citation (search report)

- [X] US 2012151803 A1 20120621 - SELNER ALLEN JOSEPH [US]
- [X] US 2007125295 A1 20070607 - SANGUINETTI CHERI [US]
- [X] US 2004154188 A1 20040812 - LASKA DANIEL S [US]
- [X] US 2014075779 A1 20140320 - BRUCE ROBERT M [US], et al
- See references of WO 2019151969A1

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)

US 2018140044 A1 20180524; EP 3745898 A1 20201209; EP 3745898 A4 20211124; WO 2019151969 A1 20190808

DOCDB simple family (application)

US 201615357374 A 20161121; EP 17936977 A 20171208; US 2017065476 W 20171208