

Title (en)

SOLE, PARTICULARLY FOR SPORTS SHOES

Title (de)

SOHLE, INSBESONDERE FÜR SPORTSCHUHE

Title (fr)

SEMELLE, EN PARTICULIER POUR CHAUSSURES DE SPORT

Publication

EP 3086677 A1 20161102 (EN)

Application

EP 14814828 A 20141215

Priority

- IT PD20130358 A 20131223
- EP 2014077789 W 20141215

Abstract (en)

[origin: WO2015097015A1] A sole (10, 110), particularly for sports shoes, which comprises in succession from the bottom: - a tread sole (11, 111), - a hollow mid-sole (12, 112) made of elastic material, with a bottom (14, 114) that has through openings (15, 115) that face opposite faces (16a, 16b) thereof, and at least one upper border (17, 117), which delimits a respective opening that is directed toward the bottom (14, 114) and is raised from it by means of supporting elements (18, 118) at least at the heel (19, 119), which define a succession of lateral passages (22, 122) of the mid-sole (12, 112) that connect its internal cavity to the outside, - a laminar support layer (13, 113) for the foot, which is associated perimetrically with the upper border (17, 117) so as to cover the opening, the laminar support layer (13, 113) having extensibility characteristics and the mid-sole (12, 112) having flexibility characteristics such that in combination the system returns a thrust in response to the pressure of the foot on the laminar support layer (13, 113) during sports activity.

IPC 8 full level

A43B 13/12 (2006.01); **A43B 13/14** (2006.01); **A43B 13/18** (2006.01)

CPC (source: EP US)

A43B 13/04 (2013.01 - US); **A43B 13/125** (2013.01 - EP US); **A43B 13/14** (2013.01 - EP US); **A43B 13/141** (2013.01 - US); **A43B 13/181** (2013.01 - EP US); **A43B 13/187** (2013.01 - US); **A43B 13/223** (2013.01 - US)

Citation (search report)

See references of WO 2015097015A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015097015 A1 20150702; CN 105828652 A 20160803; EP 3086677 A1 20161102; IT PD20130358 A1 20150624; US 2017000213 A1 20170105

DOCDB simple family (application)

EP 2014077789 W 20141215; CN 201480070449 A 20141215; EP 14814828 A 20141215; IT PD20130358 A 20131223; US 201415107430 A 20141215