

Title (en)

SHOE WITH VENTILATION IN THE LOWER SHAFT AREA AND AIR-PERMEABLE SPACING STRUCTURE USABLE FOR SAME

Title (de)

SCHUH MIT BELÜFTUNG IM UNTEREN SCHAFTBEREICH UND DAFÜR VERWENDBARES LUFTDURCHLÄSSIGES ABSTANDSGEBILDE

Title (fr)

CHAUSSURE A AERATION DANS LA ZONE DE TIGE INFERIEURE ET ELEMENT D'ECARTEMENT PERMEABLE A L'AIR

Publication

EP 3117727 B1 20190731 (DE)

Application

EP 16180543 A 20090608

Priority

- DE 102008027856 A 20080611
- EP 09761450 A 20090608
- EP 2009004109 W 20090608

Abstract (en)

[origin: WO2009149886A1] Item of footwear (100) having an upper arrangement (112) and a sole (114), wherein the upper arrangement (112) has a top material (116) and an air-permeable layer (140) arranged in a base of the upper, the air-permeable layer (140) is arranged above the sole (114), in a sole-side, bottom region of the upper arrangement (112), the air-permeable layer (140) has a three-dimensional structure allowing the through-passage of air in at least the horizontal direction, and a sole-side, bottom peripheral region of the top material (116) of the upper is replaced, over at least part of its peripheral extent, by at least one connecting material (210) which, beginning at least above an underside of the air-permeable layer (140) and running outside the air-permeable layer (140), is arranged on the base of the upper and is air-permeable at least in a sub-region located at least in part at the same level as the air-permeable layer (140), and thus connects the air-permeable layer (140) to the exterior surroundings such that air can be exchanged between the exterior surroundings and the air-permeable layer (140).

IPC 8 full level

A43B 1/04 (2006.01); **A43B 7/06** (2006.01); **A43B 7/08** (2006.01); **A43B 7/12** (2006.01); **A43B 13/38** (2006.01); **A43B 23/02** (2006.01); **D04B 1/24** (2006.01)

CPC (source: EP KR US)

A43B 1/04 (2013.01 - EP US); **A43B 7/06** (2013.01 - EP US); **A43B 7/08** (2013.01 - EP KR US); **A43B 7/082** (2013.01 - EP US); **A43B 7/084** (2013.01 - EP US); **A43B 7/12** (2013.01 - KR); **A43B 7/125** (2013.01 - EP US); **A43B 13/38** (2013.01 - EP KR US); **A43B 23/0235** (2013.01 - US); **D04B 1/22** (2013.01 - KR)

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)

WO 2009149886 A1 20091217; CA 2727138 A1 20091217; CA 2727138 C 20130604; CA 2727142 A1 20091217; CA 2727142 C 20151222; CN 102056502 A 20110511; CN 102112018 A 20110629; CN 102112018 B 20130731; CN 103976502 A 20140813; CN 104757729 A 20150708; CN 104757729 B 20170908; CN 104799476 A 20150729; DE 102008027856 A1 20091224; DK 2317885 T3 20161205; DK 2328435 T3 20161128; DK 3117727 T3 20191021; EP 2317885 A1 20110511; EP 2317885 B1 20160810; EP 2328435 A1 20110608; EP 2328435 B1 20160803; EP 3117727 A1 20170118; EP 3117727 B1 20190731; HK 1158904 A1 20120727; HK 1201702 A1 20150911; HK 1209989 A1 20160415; HK 1212564 A1 20160617; JP 2011522646 A 20110804; JP 2011522647 A 20110804; JP 5180372 B2 20130410; JP 5291191 B2 20130918; KR 101251120 B1 20130405; KR 101286010 B1 20130712; KR 101302938 B1 20130906; KR 20110017443 A 20110221; KR 20110017444 A 20110221; KR 20120132587 A 20121205; PL 2317885 T3 20170131; PL 2328435 T3 20170131; RU 2442512 C1 20120220; RU 2446727 C1 20120410; US 2011162239 A1 20110707; US 2011167677 A1 20110714; US 2013199060 A1 20130808; US 2016073727 A1 20160317; US 2016073728 A1 20160317; US 9192208 B2 20151124; US 9750301 B2 20170905; US 9756898 B2 20170912; WO 2009149887 A1 20091217

DOCDB simple family (application)

EP 2009004108 W 20090608; CA 2727138 A 20090608; CA 2727142 A 20090608; CN 200980122571 A 20090608; CN 200980130946 A 20090608; CN 201410195945 A 20090608; CN 201510209822 A 20090608; CN 201510210585 A 20090608; DE 102008027856 A 20080611; DK 09761449 T 20090608; DK 09761450 T 20090608; DK 16180543 T 20090608; EP 09761449 A 20090608; EP 09761450 A 20090608; EP 16180543 A 20090608; EP 2009004109 W 20090608; HK 11113314 A 20111208; HK 15100934 A 20111101; HK 15110928 A 20111101; HK 16100521 A 20111101; JP 2011512882 A 20090608; JP 2011512883 A 20090608; KR 20117000756 A 20090608; KR 20117000757 A 20090608; KR 20127029825 A 20090608; PL 09761449 T 20090608; PL 09761450 T 20090608; RU 2010154631 A 20090608; RU 2010154637 A 20090608; US 201313802940 A 20130314; US 201514847054 A 20150908; US 201514949565 A 20151123; US 99623509 A 20091208; US 99678809 A 20090608