

Title (en)

Ventilating bottom and insole and related item of ventilated footwear

Title (de)

Belüftende Unterseite und Innensohle sowie zugehöriger belüfteter Schuhartikel

Title (fr)

Fond et semelle première de ventilation ainsi qu'article correspondant de chaussure ventilée

Publication

EP 2438825 A1 20120411 (EN)

Application

EP 11180871 A 20110912

Priority

IT BO20100560 A 20100915

Abstract (en)

A breathable, impermeable and elastically compliant composite insole (1) equips a bottom (2) of an item of footwear (18) having a ventilated foot space (13) and whose bottom (2) comprises an outsole (3) having holes (4) running through it for aerating the foot space (13). The insole (1) has a multilayer structure comprising a first layer (5) of microperforated, semirigid osmotic material, and a second layer (6) of macroperforated, soft impermeable material which are made to adhere monolithically, superposed over each other. The second layer (6) is larger in surface area than the first layer (5) and forms, in combination with the latter, a continuous border (7) which extends past the edge of the first layer (5) and which peripherally surrounds the first layer (5) itself. A ventilating bottom (2) and an item of ventilated footwear (18) form part of this invention.

IPC 8 full level

A43B 7/08 (2006.01); **A43B 7/12** (2006.01); **A43B 9/12** (2006.01); **A43B 13/38** (2006.01)

CPC (source: EP)

A43B 7/087 (2013.01); **A43B 7/125** (2013.01); **A43B 9/12** (2013.01); **A43B 13/386** (2013.01)

Citation (search report)

- [A] US 2009188134 A1 20090730 - POLEGATO MORETTI MARIO [IT]
- [A] WO 9714326 A1 19970424 - NOTTINGTON HOLDING BV [NL], et al
- [A] EP 1749455 A1 20070207 - ALVAREZ GINES JUAN ANTONIO [ES]
- [A] US 2005241082 A1 20051103 - MORETTI MARIO P [IT]
- [A] CH 696480 A5 20070713 - HUEI LING WU [TW]

Cited by

CN103494399A; ES2490067A1; WO2022257069A1; US10786035B2; US11896084B2

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)

EP 2438825 A1 20120411; **EP 2438825 B1 20140521**; IT 1401816 B1 20130828; IT BO20100560 A1 20120316

DOCDB simple family (application)

EP 11180871 A 20110912; IT BO20100560 A 20100915