

Title (en)

SHOE, ADJUSTABLE, TRANSPIRING AND CUSHIONING

Title (de)

ANPASSBARER, ATMUNGSAKTIVER SCHUH MIT FUSSPOLSTERUNG

Title (fr)

CHAUSSURE REGLABLE A SYSTEME AMORTISSEUR ET ANTI-TRANSPARATION

Publication

EP 1530433 B1 20070228 (EN)

Application

EP 03741100 A 20030708

Priority

- IT 0300426 W 20030708
- IT CA20020006 U 20020821
- IT MI20031314 A 20030627

Abstract (en)

[origin: WO2004017777A1] Transpiring and cushioning shoe (10) having a sole (15) comprising an insole (20) through which holes pass, a tread (40) and an elastic intermediate structure (25) having in it a plurality of small chambers (38) placed side by side each communicating, by means of a one-way suction valve (35) through the holes in the insole (20), with the inside of the shoe (10), and by means of an expulsion valve (50) in the tread, with the outside so that with every step taken, due to alternating pressure of the shoe on the ground, air contained in the chambers (38) automatically flows outside and is replaced, in said chambers (38), by air from inside the shoe containing perspiration and heat.

IPC 8 full level

A43B 7/08 (2006.01); **A43B 13/18** (2006.01); **A43B 13/20** (2006.01)

CPC (source: EP US)

A43B 7/081 (2013.01 - EP US); **A43B 7/082** (2013.01 - EP US); **A43B 13/203** (2013.01 - EP US); **A43B 13/206** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

WO 2004017777 A1 20040304; AT E354982 T1 20060315; AU 2003290149 A1 20040311; DE 60312171 D1 20070412; DE 60312171 T2 20071220; EP 1530433 A1 20050518; EP 1530433 B1 20070228; ES 2281652 T3 20071001; US 2005217140 A1 20051006

DOCDB simple family (application)

IT 0300426 W 20030708; AT 03741100 T 20030708; AU 2003290149 A 20030708; DE 60312171 T 20030708; EP 03741100 A 20030708; ES 03741100 T 20030708; US 52030605 A 20050105