

Title (en)

SHOE AIR VALVE

Title (de)

SCHUHLUFTVENTIL

Title (fr)

SOUPAPE D'AERATION POUR CHAUSSURE

Publication

**EP 1454547 A1 20040908 (EN)**

Application

**EP 02785440 A 20021108**

Priority

- ES 0200519 W 20021108
- ES 200102752 U 20011112

Abstract (en)

The invention relates to an air valve for a shoe which is connected to the side wall of the shoe. The inventive valve is intended to communicate the network of internal channels in the shoe with the external environment in order to replenish the air in the aforementioned space inside the shoe. The valve comprises an essentially elongated body having a generally prismatic shape and a rectangular section. Moreover, the valve is provided with flared sections at the ends thereof, said ends being separated by a distance that is equal to the thickness of the wall to which said valve is connected. Furthermore, the body is provided with a longitudinal axial through hole, said hole containing a wedge-like projecting element and an opposing groove which is disposed in the opposite wall of the hole. In this way, the wedge and the groove fit together in a hermetic manner when the pressure produced by the weight of the user is transmitted to the wall of the valve.

IPC 1-7

**A43B 7/06**; A43B 7/08; F16K 24/06

IPC 8 full level

**A43B 7/08** (2006.01)

CPC (source: EP)

**A43B 7/081** (2013.01)

Citation (search report)

See references of WO 03045178A1

Cited by

CN103330328A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1454547 A1 20040908**; **EP 1454547 B1 20060830**; AT E337714 T1 20060915; AU 2002350744 A1 20030610; CN 100401936 C 20080716; CN 1568151 A 20050119; DE 60214422 D1 20061012; DE 60214422 T2 20070830; ES 1050598 U 20020501; ES 1050598 Y 20050416; HK 1072881 A1 20050916; IL 161948 A0 20051120; IL 161948 A 20090901; MX PA04004341 A 20040811; PT 1454547 E 20070131; WO 03045178 A1 20030605

DOCDB simple family (application)

**EP 02785440 A 20021108**; AT 02785440 T 20021108; AU 2002350744 A 20021108; CN 02820256 A 20021108; DE 60214422 T 20021108; ES 0200519 W 20021108; ES 200102752 U 20011112; HK 05105537 A 20050630; IL 16194802 A 20021108; IL 16194804 A 20040512; MX PA04004341 A 20021108; PT 02785440 T 20021108