

Title (en)
SHOE SOLE WITH VENTILATION, AND SHOE HAVING SUCH A SOLE

Title (de)
SCHUHSOHL E MIT BELÜFTUNG UND SCHUH MIT EINER SOLCHEN SOHLE

Title (fr)
SEMELLE DE CHAUSSURE À AÉRATION ET CHAUSSURE ÉQUIPÉE D'UNE TELLE SEMELLE

Publication
EP 2882309 B1 20181024 (DE)

Application
EP 12746258 A 20120808

Priority
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Abstract (en)
[origin: WO2014022941A1] The shoe sole (1) comprises a flexible chamber (6) arranged therein, with at least one inlet (5) and at least one outlet (9). The shoe sole (1) also comprises an inlet valve (15) assigned to the inlet (5), and an outlet valve (19) assigned to the outlet (9), wherein the flexible chamber (6) is arranged in the front region of the shoe sole (1), where an air inlet space (4) of the shoe sole (1) is also provided. The air inlet space (4) is connected by the inlet valve to the chamber (6) which is open to the environment via openings (2) in the insole (3). Moreover, the chamber (6) is connected by the outlet valve to the outlet (9) on the outer face of the shoe sole (1) outside the insole (3). The chamber (6) is filled almost completely with an elastically deformable material (16), which is such that, during its elastic expansion, it absorbs air and, during its compression, it releases air that has previously been absorbed. In this way, an air circulation that feels comfortable to the foot can be achieved in the shoe having this sole.

IPC 8 full level
A43B 7/08 (2006.01)

CPC (source: EP US)
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A43B 13/203 (2013.01 - US); **A43B 13/206** (2013.01 - US)

Citation (examination)
• WO 2008125524 A1 20081023 - GEOX SPA [IT], et al
• DE 69331229 T2 20020725 - SPORTTRAUMA AB PARTILLE [SE]
• DE 29510442 U1 19950907 - POETZSCH HOLGER [DE]
• US 2006196081 A1 20060907 - LEE KWANGSOO [KR]
• WO 8703789 A1 19870702 - SCIENT APPLIED RESEARCH SAR [GB]

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US 201214420220 A 20120808; US 201615368304 A 20161202