

Title (en)

External sole for shoes and shoes with the same

Title (de)

Außensohle für Schuhe und Schuhe mit derartigen Außensohlen

Title (fr)

Semelle extérieure pour chaussures et chaussure dotée d'une telle semelle extérieure

Publication

**EP 2305056 B1 20140108 (DE)**

Application

**EP 09172159 A 20091004**

Priority

EP 09172159 A 20091004

Abstract (en)

[origin: EP2305056A1] The outer sole has a grid structure consisting of intersecting lines and irregularly formed by lines extending along course of a connection curve (14-2) through toe joints between an end phalanx and a base phalanx of toes (15-1) and between a central phalanx and a base phalanx of other toes (15-2-15-4). The lines are extended along course of spaces between the four toes when the sole is adapted to fit beneath the foot of a person. The grid structure comprises an additional line. Increased flexibility of the shoe is obtained by two-fold or threefold profile indentations in the sole.

IPC 8 full level

**A43B 7/26** (2006.01); **A43B 13/14** (2006.01); **A43B 13/16** (2006.01)

CPC (source: EP US)

**A43B 7/26** (2013.01 - EP US); **A43B 13/141** (2013.01 - EP US); **A43B 13/16** (2013.01 - EP US)

Cited by

US11076659B2; US8356428B2; US8898934B2; US8978274B2; US9578921B2; US10182611B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2305056 A1 20110406**; **EP 2305056 B1 20140108**; CA 2776557 A1 20110407; ES 2457190 T3 20140425; US 2012192455 A1 20120802; WO 2011039360 A1 20110407

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