

Title (en)
SOLE FOR A RUNNING SHOE

Title (de)
SOHLE FÜR EINEN LAUFSCHUH

Title (fr)
SEMELLE POUR CHAUSSURE DE COURSE

Publication
EP 4106571 A1 20221228 (DE)

Application
EP 21707215 A 20210219

Priority
• CH 1962020 A 20200220
• EP 2021054105 W 20210219

Abstract (en)
[origin: WO2021165444A1] Disclosed is a sole for a running shoe, said sole comprising a midsole (1), wherein: the midsole (1) has a flexible upper layer (2) and a flexible lower layer (3); disposed in the vertical direction (V) between the upper layer (2) and the lower layer (3) is a flexurally elastic, incompressible plate (4), and the lower layer (3) has multiple channels (31a, 31b, 31c) running in the transverse direction (Q); and the channels (31a, 31b, 31c) in the lower layer (3) can be deformed vertically (V) and/or horizontally in the longitudinal direction (L) under the effect of forces arising during running and acting vertically (V) and/or in the longitudinal direction (L).

IPC 8 full level
A43B 13/02 (2022.01); **A43B 13/12** (2006.01); **A43B 13/14** (2006.01); **A43B 13/18** (2006.01)

CPC (source: CH EP US)
A43B 13/026 (2013.01 - EP); **A43B 13/12** (2013.01 - EP); **A43B 13/127** (2013.01 - CH EP US); **A43B 13/145** (2013.01 - EP US);
A43B 13/181 (2013.01 - EP); **A43B 13/183** (2013.01 - EP); **A43B 13/187** (2013.01 - CH US)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2021165444 A1 20210826; CH 717157 A1 20210831; CN 115087374 A 20220920; EP 4106571 A1 20221228; US 2023140074 A1 20230504

DOCDB simple family (application)
EP 2021054105 W 20210219; CH 1962020 A 20200220; CN 202180014252 A 20210219; EP 21707215 A 20210219;
US 202117799192 A 20210219