

Title (en)
SHOE SOLE AND SHOE COMPRISING SAME

Title (de)
SCHUHSOHL E UND SCHUH DAMIT

Title (fr)
SEMELLE DE CHAUSSURE ET CHAUSSURE LA COMPRENANT

Publication
EP 4056067 A4 20221102 (EN)

Application
EP 19956084 A 20191212

Priority
JP 2019048704 W 20191212

Abstract (en)
[origin: EP4056067A1] A shoe sole (20A) includes an outsole and a sole body (22). The sole body (22) includes a low hardness portion (24) made of a foam material having relatively low hardness and a high hardness portion (25) made of a foam material having relatively high hardness. The low hardness portion (24) is provided to define an entire area of a lower surface of the sole body (22). The high hardness portion (25) is disposed only in a specific region of a region located above the low hardness portion (24) of the sole body (22).

IPC 8 full level
A43B 13/12 (2006.01); **A43B 7/1425** (2022.01); **A43B 7/143** (2022.01); **A43B 7/144** (2022.01); **A43B 13/18** (2006.01); **A43B 17/00** (2006.01)

CPC (source: EP US)
A43B 7/142 (2013.01 - US); **A43B 7/1425** (2013.01 - EP US); **A43B 7/143** (2013.01 - EP US); **A43B 7/144** (2013.01 - EP US); **A43B 13/127** (2013.01 - EP US); **A43B 13/188** (2013.01 - EP US); **A43B 17/003** (2013.01 - EP)

Citation (search report)

- [XAI] US 4798010 A 19890117 - SUGIYAMA YASUNORI [JP]
- [XA] JP H11266906 A 19991005 - ASICS CORP
- [XA] EP 3275330 A1 20180131 - ASICS CORP [JP]
- [XAI] EP 1307116 A1 20030507 - ECCO SKO AS [DK]
- [XA] WO 2014151995 A1 20140925 - BACKJOY ORTHOTICS LLC [US]
- [IA] US 2015282561 A1 20151008 - SWAGER VAN DOK JAN [CH]
- See references of WO 2021117190A1

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)
EP 4056067 A1 20220914; **EP 4056067 A4 20221102**; CN 114786521 A 20220722; JP WO2021117190 A1 20210617; US 2023024019 A1 20230126; WO 2021117190 A1 20210617

DOCDB simple family (application)
EP 19956084 A 20191212; CN 201980102840 A 20191212; JP 2019048704 W 20191212; JP 2021563537 A 20191212; US 201917784054 A 20191212