

Title (en)
ARTICLE OF FOOTWEAR HAVING AN UNDULATING SOLE

Title (de)
SCHUHWERK MIT EINER WELLENFÖRMIGEN SOHLE

Title (fr)
ARTICLE CHAUSSANT COMPRENANT UNE SEMELLE ONDULÉE

Publication
EP 3603437 A1 20200205 (EN)

Application
EP 19196198 A 20100721

Priority

- US 50695709 A 20090721
- US 74824610 A 20100326
- US 83246410 A 20100708
- EP 16188094 A 20100721
- EP 10170301 A 20100721

Abstract (en)
An article of footwear is provided which comprises an upper, a plate connected to the upper, and an undulating sole having a top surface connected to the plate and a bottom surface, the sole comprising a plurality of spaced apart peaks defining a plurality of gaps in the top surface and a plurality of spaced apart troughs defining a plurality of gaps in the bottom surface.

IPC 8 full level
A43B 13/12 (2006.01); **A43B 13/14** (2006.01); **A43B 13/18** (2006.01); **A43B 13/22** (2006.01)

CPC (source: BR EP)
A43B 13/14 (2013.01 - BR EP); **A43B 13/181** (2013.01 - BR EP); **A43B 13/187** (2013.01 - EP); **A43B 13/223** (2013.01 - EP);
A43B 13/187 (2013.01 - BR); **A43B 13/223** (2013.01 - BR)

Citation (search report)

- [X] US 2008052965 A1 20080306 - SATO NATSUKI [JP]
- [X] WO 2004052136 A1 20040624 - NIKE INC [US], et al
- [X] DE 1145961 B 19630321 - KLAUS MAERTENS DR MED, et al
- [X] US 2553616 A 19510522 - WALLS GEORGE V

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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2277402 A2 20110126; **EP 2277402 A3 20150311**; **EP 2277402 B1 20161019**; BR PI1013455 A2 20151020; CN 101961158 A 20110202; CN 101961158 B 20170412; EP 3146862 A2 20170329; EP 3146862 A3 20170705; EP 3146862 B1 20190918; EP 3146862 B8 20191023; EP 3603437 A1 20200205; EP 3603437 B1 20210714; EP 3912509 A2 20211124; EP 3912509 A3 20220126

DOCDB simple family (application)
EP 10170301 A 20100721; BR PI1013455 A 20100721; CN 201010231240 A 20100720; EP 16188094 A 20100721; EP 19196198 A 20100721; EP 21185399 A 20100721