

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  
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CPC (source: BR EP)  
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**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)  
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**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

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**EP 10170301 A 20100721**; BR PI1013455 A 20100721; CN 201010231240 A 20100720; EP 16188094 A 20100721; EP 19196198 A 20100721; EP 21185399 A 20100721