

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 B1 20210714 (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)  
[origin: EP2277402A2] An article of footwear with an undulating sole provides cushioning and support to an article of footwear. The sole has an undulating shape that may be substantially similar to a sine wave with a series of alternating peaks and troughs.

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

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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

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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