

Title (en)  
ARTICLE OF FOOTWEAR HAVING AN UNDULATING SOLE

Title (de)  
SCHUHWERKARTIKEL MIT GEWELLTER SOHLE

Title (fr)  
ARTICLE DE CHAUSSURE A SEMELLE ONDULEE

Publication  
**EP 3146862 B1 20190918 (EN)**

Application  
**EP 16188094 A 20100721**

Priority  

- US 50695709 A 20090721
- US 74824610 A 20100326
- US 83246410 A 20100708
- 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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**A43B 13/187** (2013.01 - BR); **A43B 13/223** (2013.01 - BR)

Cited by  
JP2019051231A; DE102018122753A1; DE102018122753B4

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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