

Title (en)  
BOTTOM FOR SHOES

Title (de)  
SCHUHBODEN

Title (fr)  
DESSOUS DE CHAUSSURES

Publication  
**EP 2348909 B1 20170412 (EN)**

Application  
**EP 09783635 A 20091001**

Priority  
• EP 2009062745 W 20091001  
• IT MC20080197 A 20081107

Abstract (en)  
[origin: WO2010052078A1] A bottom (1) for shoes is disclosed, comprising a lower tread (1a) with a plurality of internally hollow protuberances (2, 3) having a lower horizontal surface (2a, 3a, 31) and a basically vertical lateral surface (2c, 3c); an upper side (1b) with a plurality of pits (4, 5) that coincide with the internal cavity of the protuberances (2, 3) and generate meshes of a lattice of flat ribs (6, 7), while the protuberances (2, 3) are bordered by a lattice of grooves (14, 15) that correspond to the lattice of flat ribs (6, 7). At least some of the pits (5) have an internal rib (11) provided with an upper surface (11b) situated at a lower level than the upper surface of the flat ribs (6, 7).

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

CPC (source: EP)  
**A43B 13/184** (2013.01); **A43B 13/223** (2013.01)

Citation (examination)  
US 6209226 B1 20010403 - SQUADRONI ONIFARES ELPIDIO [IT]

Designated contracting state (EPC)  
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)  
**WO 2010052078 A1 20100514**; EP 2348909 A1 20110803; EP 2348909 B1 20170412; IT 1391646 B1 20120117; IT MC20080197 A1 20100508; PT 2348909 T 20170704; TR 200908043 A2 20100521

DOCDB simple family (application)  
**EP 2009062745 W 20091001**; EP 09783635 A 20091001; IT MC20080197 A 20081107; PT 09783635 T 20091001; TR 200908043 A 20091023