

Title (en)  
Flexible insole for closed shoes

Title (de)  
Flexible Innensohle für geschlossene Schuhe

Title (fr)  
Semelle intérieure flexible pour chaussures fermées

Publication  
**EP 2298111 A3 20110831 (DE)**

Application  
**EP 10176520 A 20100914**

Priority  
CH 14292009 A 20090916

Abstract (en)  
[origin: EP2298111A2] The flexible insole (1) has an upper sole (13) that is attached above a base insole layer. The heel area of base insole layer is set as shock-absorbing zone (20) and remaining area of the base insole layer as ventilation zone (30). The upper cover surfaces of the frustoconical protrusions in the shock-absorbing zone are set 4 to 10 times greater than cover surfaces of the protrusions in the ventilation zone. The perforations are arranged between protrusions in the ventilation zone.

IPC 8 full level  
**A43B 17/02** (2006.01); **A43B 7/14** (2006.01); **A43B 13/38** (2006.01); **A43B 13/40** (2006.01); **A43B 17/00** (2006.01); **A43B 17/08** (2006.01); **A43B 17/10** (2006.01)

CPC (source: EP US)  
**A43B 7/146** (2013.01 - EP US); **A43B 7/149** (2013.01 - EP US); **A43B 17/006** (2013.01 - EP US); **A43B 17/02** (2013.01 - EP US); **A43B 17/08** (2013.01 - EP US); **A43B 17/102** (2013.01 - EP US)

Citation (search report)

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- [A] EP 1245167 A1 20021002 - VITAFLEX DR WALTER MAUCH GMBH [DE]
- [A] DE 3508582 A1 19860918 - MAUCH WALTER
- [A] FR 1511344 A 19680126 - SUPERGA SPA
- [A] US 2008295358 A1 20081204 - LIN HSI-LIANG [TW], et al
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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

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**EP 2298111 A2 20110323; EP 2298111 A3 20110831; EP 2298111 B1 20151111**; CH 701853 A1 20110331; CN 102018326 A 20110420; US 2011061263 A1 20110317

DOCDB simple family (application)  
**EP 10176520 A 20100914**; CH 14292009 A 20090916; CN 201010285219 A 20100916; US 88232610 A 20100915