

Title (en)  
INSOLE

Title (de)  
EINLEGESOHLE

Title (fr)  
SEMELLE INTÉRIEURE

Publication  
**EP 2840923 A1 20150304 (DE)**

Application  
**EP 14744375 A 20140422**

Priority  
• DE 102013006962 A 20130423  
• IB 2014001039 W 20140422

Abstract (en)  
[origin: WO2014174367A1] An insole (10) for a shoe, having: a spring steel plate (50), which is stiff in the transverse direction of the sole, particularly in the ball region of the foot, vertically flexible in the longitudinal direction of the sole and restores itself elastically after loading, wherein the spring steel plate (50) has a transverse profile (55) substantially over the entire sole region running preferably normal to the longitudinal direction of the sole; and a plastic layer in which the spring steel plate (50) is arranged, wherein the plastic layer is a polyurethane gel layer (18) with a Shore hardness 00 of 45-70.

IPC 8 full level  
**A43B 17/00** (2006.01); **A43B 17/04** (2006.01); **A43B 17/06** (2006.01)

CPC (source: EP US)  
**A43B 17/006** (2013.01 - EP US); **A43B 17/02** (2013.01 - US); **A43B 17/04** (2013.01 - EP US); **A43B 17/06** (2013.01 - EP US)

Citation (search report)  
See references of WO 2014174367A1

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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 102013006962 A1 20141023**; EP 2840923 A1 20150304; EP 2840923 B1 20171213; HK 1203781 A1 20151106; JP 2016516519 A 20160609; JP 6298880 B2 20180320; KR 102127031 B1 20200626; KR 20160023650 A 20160303; US 2016073734 A1 20160317; WO 2014174367 A1 20141030

DOCDB simple family (application)  
**DE 102013006962 A 20130423**; EP 14744375 A 20140422; HK 15104380 A 20150508; IB 2014001039 W 20140422; JP 2016509563 A 20140422; KR 20157032876 A 20140422; US 201414786052 A 20140422