

Title (en)  
Insole

Title (de)  
Einlegesohle

Title (fr)  
Semelle intérieure

Publication  
**EP 1166671 A3 20021113 (DE)**

Application  
**EP 01110937 A 20010505**

Priority  
DE 20011334 U 20000628

Abstract (en)  
[origin: EP1166671A2] The safety shoe is fitted with a specific inner sole (1), containing a gel pad (4) in the heel area (2) as a shock absorbing device. A concave space (3) in the sole matches exactly the convex lower surface of the gel pad (4). In order to offer even more comfort, a stabilising shell (6) is attached to the heel area (2) of the sole (1) from below. The shell (6) is designed as a bottom segment (7) with a surrounding slightly inclined wall (8) at the back. There are also versions of the inner sole (1) with additional gel pads (14,15,16) in other areas like the toes or the instep.

IPC 1-7  
**A43B 17/02**

IPC 8 full level  
**A43B 7/32** (2006.01); **A43B 17/02** (2006.01)

CPC (source: EP)  
**A43B 7/142** (2013.01); **A43B 7/1425** (2013.01); **A43B 7/1435** (2013.01); **A43B 7/144** (2013.01); **A43B 7/145** (2013.01); **A43B 7/1464** (2022.01); **A43B 7/32** (2013.01); **A43B 17/026** (2013.01)

Citation (search report)  
• [Y] US 5463824 A 19951107 - BARNA RANDALL S [US]  
• [Y] US 5245766 A 19930921 - WARREN DAVID E [US]  
• [A] US 5718063 A 19980217 - YAMASHITA YOSHIO [JP], et al  
• [A] EP 0890321 A2 19990113 - ADIDAS INT BV [NL]  
• [A] US 5146698 A 19920915 - TILLES HARVEY G [US], et al

Cited by  
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**DE 20011334 U1 20001221**; DE 50109128 D1 20060504; EP 1166671 A2 20020102; EP 1166671 A3 20021113; EP 1166671 B1 20060308

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**DE 20011334 U 20000628**; DE 50109128 T 20010505; EP 01110937 A 20010505