

Title (en)  
Elastomer midsole shoe structure

Title (de)  
Elastomere Zwischensohlenstruktur

Title (fr)  
Structure de semelle d'usure en élastomère

Publication  
**EP 0877177 A3 19990210 (EN)**

Application  
**EP 98111671 A 19950110**

Priority  
• EP 95907374 A 19950110  
• US 18703094 A 19940127

Abstract (en)  
[origin: EP0877177A2] A midsole (20) for an athletic shoe having a first generally flat layer (32) and a second generally flat layer (36) seperated by cylindrical springs (34) formed of an elastomer having a ratio of plastic strain that is greater than 1.5 to 1, the molecular structure of the midsole being oriented as a result of compression of the material. <IMAGE>

IPC 1-7  
**F16F 1/36**; **F16F 1/377**

IPC 8 full level  
**A43B 13/18** (2006.01); **A43B 13/20** (2006.01)

CPC (source: EP)  
**A43B 13/181** (2013.01); **A43B 13/206** (2013.01)

Citation (search report)  
• [A] DE 3810930 A1 19881208 - COHEN ELIE [US] & US 4754559 A 19880705 - COHEN ELI [US]  
• [A] WO 9315332 A1 19930805 - MINER ENTERPRISES [US]  
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AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

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**WO 9520333 A1 19950803**; AT E206885 T1 20011115; AU 1562795 A 19950815; DE 69523288 D1 20011122; DE 69523288 T2 20020718; EP 0741529 A1 19961113; EP 0741529 A4 19980211; EP 0741529 B1 20011017; EP 0877177 A2 19981111; EP 0877177 A3 19990210

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