

Title (en)  
Shoe sole

Title (de)  
Schuhsohle

Title (fr)  
Semelle de chaussure

Publication  
**EP 0890322 A1 19990113 (EN)**

Application  
**EP 97111526 A 19970708**

Priority  
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Abstract (en)  
A shoe sole (10) is embedded with an elastic plate (25) into either one of a bottom sole (20) or middle sole (30) for allowing a portion corresponding to the toe part of the sole of the foot to be upwardly-slanted by a predetermined angle. The front end of the shoe sole (10) constantly maintains an angle within a range of 5 DEG to 20 DEG to afford favorable sense of wearing shoes (40) and attain correct walking mechanism of the sole of the foot. <IMAGE>

IPC 1-7  
**A43B 13/12**; **A43B 13/14**

IPC 8 full level  
**A43B 13/12** (2006.01); **A43B 13/14** (2006.01)

CPC (source: EP)  
**A43B 13/12** (2013.01); **A43B 13/143** (2013.01); **A43B 13/148** (2013.01)

Citation (search report)  
• [X] EP 0458174 A1 19911127 - FITSALL AG [LI]  
• [Y] DE 2752491 A1 19780601 - HIETALA UKKO UUNO  
• [Y] EP 0600145 A1 19940608 - KEIHAN TSUSHO CO LTD [JP]  
• [A] EP 0044086 A1 19820120 - MELCER ISRAEL  
• [A] DE 9312979 U1 19940105 - HERMES STEFAN [DE], et al  
• [A] US 5579591 A 19961203 - KOUSSAKA SACHIKO [JP], et al  
• [A] US 5528842 A 19960625 - RICCI GORDON K [US], et al

Cited by  
CN105212433A; KR100603062B1; EP2684475A1; US9055784B2; US9877543B2; US12029274B2; US11439200B2; US11464284B2; US12004589B2

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