Title (en)

Shoe sole without heel and with cushion

Title (de

Fersenlose Schuhsohle mit Polsterung

Title (fr)

Semelle sans talon avec amortisseur

Publication

EP 0838169 A3 19981202 (EN)

Application

EP 97115454 A 19970905

Priority

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- KR 19960061018 A 19961202
- KR 19970009574 A 19970320
- KR 19970027666 A 19970626

Abstract (en)

[origin: EP0838169A2] A shoe sole having no heel and with the cushion improved is disclosed, which gives an athletic effect same as a mountain climbing during a usual walking, and the waist is made straightened, thereby correcting the posture of a walker. The heelless shoe sole includes a midsole, and the midsole includes an elastic tube (17) and a filling member (18) with projecting flanges (19) formed thereon. The projecting flanges have a plurality of holes (23) respectively. Further it includes a gently curved reinforcing plate (16) extending from the toe portion to the heel portion. Or the heelless shoe sole includes a midsole, and the midsole includes a recess having a certain depth and formed on a toe portion of the midsole. The midsole further includes a lateral through hole formed in a middle portion of the midsole and expanding from an outer side of the midsole toward an inner side of the midsole so as to be fit to the arcuate shape of a human foot sole. The midsole still further includes a V shaped groove formed in an arcuate portion of a heelless portion, and a tread face having a plurality of circular slots at a rear thereof.

IPC 1-7

A43B 13/14

IPC 8 full level

A43B 13/14 (2006.01); A43B 13/18 (2006.01)

CPC (source: EP)

A43B 1/0054 (2013.01); A43B 13/14 (2013.01); A43B 13/18 (2013.01)

Citation (search report)

- [A] DE 9413496 U1 19941013 PARK YOUNGSOUL [KR], et al
- [A] FR 2448308 A1 19800905 ADIDAS SPORTSCHUHE [DE]
- [A] US 5138776 A 19920818 LEVIN SHALOM [IL]
- [A] EP 0695514 A1 19960207 PARK YOUNGSOUL [KR]
- [A] DE 4018518 A1 19910117 ADIDAS AG [DE]
- [A] EP 0600145 A1 19940608 KEIHAN TSUSHO CO LTD [JP]

Cited by

DE112006002347B4; CN102860629A; GB2431334A; GB2437698A; GB2437698B; US9750303B2; US8387285B2; US8112909B2

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