

Title (en)
Shoe with naturally contoured sole

Title (de)
Schuh mit natürlicher Sohlenkontur

Title (fr)
Chaussure avec semelle à contour naturel

Publication
EP 1104658 A1 20010606 (EN)

Application
EP 00204038 A 19890714

Priority

- EP 97250029 A 19890714
- EP 89909337 A 19890714
- US 21938788 A 19880715
- US 23966788 A 19880902

Abstract (en)
A shoe sole (28) for a shoe including a bottom sole (128) and a midsole (127). The shoe sole (28) is divided into medial and lateral sides and a middle portion located between the sides. The inner surface (30) of the shoe sole (28) includes a portion that is concavely rounded relative to an intended wearer's foot location inside the shoe, when the shoe sole (28) is in an upright, unloaded condition. The outer surface (31) of the shoe sole (28) has an uppermost part formed by midsole (127) which extends to at least the height of the lowest point of the inner surface (30), as viewed in a frontal plane cross-section when the shoe sole (28) is in an upright, unloaded condition. The outer surface (31) of the sole middle portion includes at least one portion that is concavely rounded relative to an intended wearer's foot location inside the shoe and which extends through the lowest point of the shoe sole (28), as viewed in a frontal plane cross-section when the shoe sole (28) is in an upright, unloaded condition.

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Citation (search report)

- [X] US 4694591 A 19870922 - BANICH HOWARD P [US], et al
- [X] US 4578882 A 19860401 - TALARICO II LOUIS C
- [X] US 4449306 A 19840522 - CAVANAGH PETER R [US]
- [X] US 4399620 A 19830823 - FUNCK HERBERT [DE]
- [X] US 4559723 A 19851224 - HAMY NORBERT [CA], et al
- [A] US 4697361 A 19871006 - GANTER PAUL [DE], et al
- [A] US 4305212 A 19811215 - COOMER SVEN O
- [A] US 4557059 A 19851210 - MISEVICH KENNETH W [US], et al

Citation (examination)
DE 2836793 A1 19800306 - CONTINENTAL GUMMI WERKE AG

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