

Title (en)
SOLE FOR A SHOE, IN PARTICULAR FOR A RUNNING SHOE

Title (de)
SCHUHSOHL, INSBESONDERE FÜR EINEN LAUFSCHUH

Title (fr)
SEMELLE DE CHAUSSURE, DESTINÉE EN PARTICULIER À UNE CHAUSSURE DE COURSE

Publication
EP 2247210 A4 20130529 (EN)

Application
EP 09715077 A 20090220

Priority
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Abstract (en)
[origin: WO2009106076A1] A shoe sole (7) consisting of a midsole (1) and an outsole (3) consisting of discrete outsole elements. The midsole (1) has on the side facing the outsole a multiple of flex grooves (27, 29,, 34, 51, 53, 55, 57, 63) crossing each other and creating pads (26, 28, 30, 33, 35, 50, 52, 54, 56) in the midsole. A curved forefoot flex groove (63) emanates from the medial side (21) of the arc (48) and essentially follows a path over one or more of the cuneiform bones (72, 73, 74) and continues between the third (83) and fourth (82) metatarsal phalanges, over the third (77) proximal phalange and continues between the first (85) and second (84) metatarsal phalanges in a direction towards the heel. Both the outsole elements and the pads are arranged to follow an essentially spiral curve (64) around the curved forefoot flex groove. The sole reduces the risk of injury during running, and gives the foot increased compensation possibilities for correcting imbalances especially after heel strike.

IPC 8 full level
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Citation (search report)
• [XA] US 6065230 A 20000523 - JAMES BRENT [US]
• [XA] WO 9905928 A1 19990211 - VANS INC [US]
• [A] US D496779 S 20041005 - BELLEY MANON [CA], et al
• [E] CN 201248414 Y 20090603 - KIN ZHE CHUNG [KR]
• See references of WO 2009106076A1

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EP 2247210 A1 20101110; EP 2247210 A4 20130529; EP 2247210 B1 20170426; US 2010293816 A1 20101125; US 2012030971 A9 20120209;
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