

Title (en)
OUTSOLE WITH TANGENTIAL DEFORMATION

Title (de)
LAUFSOHLE MIT TANGENTIALER VERFORMBARKEIT

Title (fr)
SEMELLE D'USURE À DÉFORMATION TANGENTIELLE

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Application
EP 06705354 A 20060223

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Abstract (en)
[origin: WO2006089448A1] The invention relates to an outsole (1), especially for sports shoes (2), that can be formed with a large amount of elastic deformability even in the tangential direction towards the front and the back, enabling a good cushioning effect even when the tread of the foot is inclined and somewhat slipping. Beyond at least one critical deformation in the deformed region, the sole remains however essentially rigid in relation to tangential deformation. In this way, the runner has a secure footing on the respective tread point. The runner can then push off from the tread point without losing ground. A swimming effect on the sole is thus prevented. According to the invention, the elastic deformability of the sole also in the tangential direction is caused by at least one first element (3a), and the cited rigidity of the sole in relation to tangential deformation beyond said at least one critical deformation, in addition to the degree of the at least one critical deformation in the deformed region is due to at least one second element (3b). So that said first and second elements (3a, 3b) can be independently designed, dimensioned and produced, there are extensive structuring, formation and variation possibilities. Certain areas in the heel and/or the ball region of the sole can be varied by the at least one first element (3a), and certain areas by the at least one second element (3b), in the longitudinal direction.

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Citation (search report)
See references of WO 2006089448A1

Cited by
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