Title (en)
Scanner - assisted selection of appropriate footwear with individualized footbed

Title (de)
Scanner-unterstützte Auswahl von passendem Schuhwerk mit individualisiertem Fussbett

Title (fr)
Sélection assistée par un scanner d'une chaussure adéquate à lit plantaire personnalisé

Publication
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Application
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Abstract (en)
[origin: WO2012052044A1] A description is given of a method for cost-effectively selecting in a largely automated manner bestfit footwear with an optimally selected or individualized footbed. A preferably multi-sensory foot scanner is used to determine, at the same time, the geometrical 3-dimensional shape of the foot and the printed image of the foot sole, which is registered for this purpose. A database of digitized shoe interiors is used to determine, via a best fit selection, the mass-produced item of footwear which best matches the 3D foot model. Using a traditional system for producing individualized insoles or footbeds, an insole appropriate for the sole of the foot is selected or produced and, in a further, novel method step according to the invention, using numerical determination of the 3-dimensional surface areas of the footbed, foot sole and peripheral zone of the sole in the inner shoe, or the insole chamber, the required insole, which constitutes the footbed, is selected, or further processed numerically, such that it fits optimally into the selected bestfit item of footwear which has been put on.

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