

Title (en)

A FOOTWEAR WITH CUSTOMIZED ARCH-SUPPORT MIDSOLE AND INSOLE, AND A METHOD OF SHOE MAKING

Title (de)

SCHUHWERK MIT MASSGESCHNEIDERTER GEWÖLBESTÜTZENDER MITTELSOLE UND EINLAGE UND VERFAHREN ZUR SCHUHHHERSTELLUNG

Title (fr)

CHAUSSURE DOTÉE D'UNE SEMELLE INTERCALAIRE ET D'UNE SEMELLE INTÉRIEURE PERSONNALISÉES DE SOUTIEN DE LA VOÛTE PLANTAIRE, ET PROCÉDÉ DE FABRICATION DE CHAUSSURES

Publication

EP 3445199 A2 20190227 (EN)

Application

EP 17725353 A 20170417

Priority

- MY PI2016701414 A 20160418
- IB 2017052184 W 20170417

Abstract (en)

[origin: WO2017182930A2] A footwear with arch-support insole (6) and midsole (7) is the output of a shoe-making method comprising the step of: 1. Scanning a wearer's foot using a 3D scanner; 2. Generating an appropriate foot profile data using a proprietary software programme, in terms of shape, abnormality, foot print contours and pressure or bunion points; 3. Rectifying and fine-tuning the foot profile data to a normalized angle and state; 4. Designing and aligning an insole layer (6) with lateral curved extension (10) disposed on its inside and at its mid-section, a midsole layer (7) with a lateral curved extension (10) disposed on its inside and at its mid-section, protruded contour profiles (11, 12, 13) on the top surface of the insole layer (6), and an outsole layer (5), all using a computer-aided design software programme, and sending the above foot profile data to a 3D printer; 5. Printouting and hermetically bonding the above layers (6, 7, 5); 6. Customerization and touch-up with an upper (2) and accessories to manufacture an integral footwear.

IPC 8 full level

A43B 13/12 (2006.01)

CPC (source: EP)

A43B 13/127 (2013.01); **B33Y 80/00** (2014.12); **A43B 7/141** (2013.01); **A43B 7/1425** (2013.01); **A43B 7/144** (2013.01); **A43B 7/145** (2013.01); **A43D 1/025** (2013.01); **A43D 2200/60** (2013.01)

Citation (search report)

See references of WO 2017182930A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017182930 A2 20171026; **WO 2017182930 A3 20171130**; CN 109310180 A 20190205; EP 3445199 A2 20190227; MY 176442 A 20200810

DOCDB simple family (application)

IB 2017052184 W 20170417; CN 201780036327 A 20170417; EP 17725353 A 20170417; MY PI2016701414 A 20160418