

Title (en)

A SHOE COMPRISING A SOLE OF A THERMOPLASTIC MATERIAL AND A METHOD FOR USE IN MANUFACTURING SUCH A SHOE

Title (de)

SCHUH MIT EINER SOHLE AUS EINEM THERMOPLASTISCHEN MATERIAL UND VERFAHREN ZUR VERWENDUNG BEI DER HERSTELLUNG SOLCH EINES SCHUHS

Title (fr)

CHAUSSURE COMPRENANT UNE SEMELLE D'UN MATÉRIAUX THERMOPLASTIQUE ET PROCÉDÉ DESTINÉ À ÊTRE UTILISÉ DANS LA FABRICATION D'UNE TELLE CHAUSSURE

Publication

EP 3846655 A1 20210714 (EN)

Application

EP 19759626 A 20190903

Priority

- EP 18192327 A 20180903
- EP 2019073475 W 20190903

Abstract (en)

[origin: WO2020048989A1] The present invention pertains to a new shoe comprising a sole of a thermoplastic material adhered to an upper shoe with a hot melt adhesive that is applied between the sole and the upper shoe, wherein the hot melt adhesive is fused with the thermoplastic material. Advantageously, the fusion is brought about by heating the hot melt adhesive to a temperature THM such that it softens, heating the second body such that the thermoplastic material that has a melting temperature TM obtains a temperature TSUB below TM while making sure that (THM + TSUB)/2 is equal to or higher than (TM-10°C).

IPC 8 full level

A43B 9/12 (2006.01); **A43B 13/04** (2006.01); **A43D 25/20** (2006.01)

CPC (source: EP KR US)

A43B 9/12 (2013.01 - EP KR); **A43B 13/04** (2013.01 - EP KR US); **A43B 13/187** (2013.01 - US); **A43D 25/20** (2013.01 - EP KR US);
D06N 3/123 (2013.01 - US); **D06N 2205/04** (2013.01 - US); **D06N 2205/06** (2013.01 - US); **D06N 2211/106** (2013.01 - US);
Y10T 442/2746 (2015.04 - US)

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 2020048989 A1 20200312; CN 112638192 A 20210409; EP 3846655 A1 20210714; EP 3846655 B1 20231004; EP 3846655 C0 20231004;
ES 2968803 T3 20240514; JP 2021535774 A 20211223; JP 7499229 B2 20240613; KR 102660597 B1 20240426; KR 20210047305 A 20210429;
US 2021330025 A1 20211028

DOCDB simple family (application)

EP 2019073475 W 20190903; CN 201980056181 A 20190903; EP 19759626 A 20190903; ES 19759626 T 20190903;
JP 2021506274 A 20190903; KR 20217005306 A 20190903; US 201917271423 A 20190903