

Title (en)
THREE-DIMENSIONAL KNITTED SHOE BLANK AND MANUFACTURING METHOD THEREOF USING A DOUBLE BED FLAT KNITTING MACHINE

Title (de)
DREIDIMENSIONALER GESTRICKTER SCHUHRÖHLING UND SEIN HERSTELLUNGSVERFAHREN MIT EINER ZWEIFONTURIGEN FLACHSTRICKMASCHINE

Title (fr)
ÉBAUCHE DE CHAUSSURE TRIDIMENSIONNELLE TRICOTÉE ET SON PROCÉDÉ DE FABRICATION AVEC UNE MACHINE À TRICOTER RECTILIGNE À DOUBLE FONTURES

Publication
EP 3412815 A1 20181212 (EN)

Application
EP 17210709 A 20171227

Priority
TW 106118557 A 20170605

Abstract (en)
A 3D shoe blank (100, 200, 200', 200") is an integral knit fabric without any sewn portion made by a double-bed flat knitting machine and includes an upper portion (112, 212) having two technical surfaces and knitted from at least a first yarn (10) by skip-needle double-knitting, a front sole portion (122, 222) connected to the upper portion (112, 212) by a cast-on line (101, 201) and two connection lines (102, 103; 202, 203) to form a pocket structure, a rear portion (130) connected to the front sole portion (122, 222), and a heel portion (140) extending from a center rear end of the rear portion (100a). A portion of the front sole portion (122, 222) corresponding to the upper portion (112, 212) is knitted from at least a second yarn (20) by skip-needle single-knitting. Two opposite sides of the heel portion (140) are respectively connected to left and right rear ends of the rear portion (130) to form a 3D rear shoe portion (100a) with two joining lines (104a, 104b) formed between the heel portion (140) and the rear portion (130).

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CPC (source: EP US)
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Citation (search report)
• [A] EP 2875745 A1 20150527 - SHIMA SEIKI MFG [JP]
• [A] EP 2805638 A1 20141126 - SHIMA SEIKI MFG [JP]
• [A] US 2008110049 A1 20080515 - SOKOLOWSKI SUSAN L [US], et al

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WO2019032465A1; US10907282B2; US11352723B2; US11761127B2

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