

Title (en)
DOUBLE-SIDED FABRIC EMBEDDED WITH CONTINUOUS LINEAR MATERIAL AND FORMED AS CURVED FORM

Title (de)
DOPPELSEITIGES GEWEBE, EINGEBETTET MIT KONTINUIERLICHEM LINEAREM MATERIAL UND ALS GEBOGENE FORM AUSGEBILDET

Title (fr)
TISSU DOUBLE-FACE INCORPORÉ AVEC UN MATÉRIAU LINÉAIRE CONTINU ET FORMÉ COMME UNE FORME INCURVÉE

Publication
EP 3239376 A1 20171101 (EN)

Application
EP 16167207 A 20160427

Priority
EP 16167207 A 20160427

Abstract (en)
A double-sided fabric embedded with a continuous linear material and formed as a curved form is provided. The double-sided fabric is woven by a flat bed knitting machine including a front needle bed including front knitting needles, a back needle bed including back knitting needles and a loop presser bed including right-directed and left-directed weaving pressing pieces. The double-sided fabric includes a continuous linear material (100) pressed by the right-directed and/or left-directed weaving pressing pieces and embedded into the double-sided fabric to form loop groups. Each loop group includes loops stitched and formed by one front knitting needle and two back knitting needles at two sides of the front knitting needle in a weaving process and in next weaving process. At least two of the loops groups are located in different weaving processes to cause a level drop in the continuous linear material (100) to form at least one curved portion (101).

IPC 8 full level
D04B 1/12 (2006.01)

CPC (source: EP)
D04B 1/123 (2013.01); **D04B 7/14** (2013.01); **D10B 2401/16** (2013.01)

Citation (applicant)
US 6151922 A 20001128 - SHIMASAKI YOSHINORI [JP]

Citation (search report)
• [X] US 3964277 A 19760622 - MILES THOMAS E
• [A] US 3986374 A 19761019 - FANE KEBLE PHILIP
• [A] WO 03087451 A2 20031023 - SHARMA VIKRAM [US]
• [AD] US 6151922 A 20001128 - SHIMASAKI YOSHINORI [JP]

Cited by
CN113227478A; EP4317559A3; WO2020123448A1; US11414796B2; US11725312B2

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)
EP 3239376 A1 20171101; **EP 3239376 B1 20210609**; ES 2881052 T3 20211126

DOCDB simple family (application)
EP 16167207 A 20160427; ES 16167207 T 20160427