Title (en)
METHOD FOR WEAVING PILE FABRICS AND PILE FABRIC WITH SHADOW CUT PILE ZONES

Title (de)
VERFAHREN ZUM WEBEN VON FLORGEWEBE UND FLORGEWEBE MIT SCHATTENSCHNITTFLORZONENZONEN

Title (fr)
PROCEDE DE TISSAGE DE TISSUS A POILS ET LESDITS TISSUS A ZONES DE VELOURS COUPEES ET PERFOREES

Publication
EP 3165645 B1 20210901 (EN)

Application
EP 15193183 A 20151105

Priority
EP 15193183 A 20151105

Abstract (en)

[origin: EP3165645A1] In this method for simultaneously weaving two pile fabrics (C1, C2) with shadow cut pile zones on a face-to-face weaving machine, an upper backing fabric (F1) and a lower backing fabric (F2) are woven one above the other with at least one filling warp yarns (f1, f2), at least one binding warp yarn (b1, b1', b2, b2'), weft yarns (Wi, Wb) comprising inner weft yarns (Wi), which are inserted on a pile side of the filling warp yarns, and back weft yarns (Wb), which are inserted on a back side of the filling warp yarns. Patterning pile yarns are interlaced in the upper backing fabric (F1) and in the lower backing fabric (F2). Weft yarn groups (G1, G2), made of an inner weft yarn (Wi), a back weft yarn (Wb) and another inner weft yarn (Wi), are inserted in at least one backing fabric (F1, F2), in successive weft insertion cycles, and at least one patterning pile yarn (PY) follows a path where in a first series of weft insertion cycles (P1-P13) and at least in a first backing fabric (F1, F2), the patterning pile yarn (PY) turns externally around a first inner weft yarn (Wi), then internally around a second consecutive inner weft yarn (Wi) before it turns externally around a consecutive back weft yarn (Wb) and in a second series of weft insertion cycles (P19-P32) and at least in the first backing fabric (F1, F2), the patterning pile yarn (PY) turns externally around a back weft yarn (Wb) before it turns internally around a first consecutive inner weft yarn (Wi) and externally around a second consecutive inner weft yarn (Wi).

IPC 8 full level
D03D 27/10 (2006.01)

CPC (source: CN EP)
D03D 21/00 (2013.01 - CN); **D03D 27/06** (2013.01 - CN); **D03D 27/10** (2013.01 - EP)

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

DOCDB simple family (publication)
EP 3165645 A1 20170510; **EP 3165645 B1 20210901**; CN 106987980 A 20170728; CN 106987980 B 20201117

DOCDB simple family (application)
EP 15193183 A 20151105; CN 201610974404 A 20161104