

Title (en)
A METHOD FOR WEAVING CURVED WARP YARNS AND A WOVEN FABRIC

Title (de)
VERFAHREN ZUM WEBEN MIT BOGENFÖRMIG ANGEORDNETEN KETTFÄDEN SOWIE GEWEBE

Title (fr)
PROCEDE DE TISSAGE DE FILS DE CHAINE ONDULES ET TISSU

Publication
EP 1507027 A4 20060802 (EN)

Application
EP 02785019 A 20021206

Priority
• CN 0200872 W 20021206
• CN 02219924 U 20020410
• CN 02112877 A 20020410

Abstract (en)
[origin: US2007079886A1] The invention relates to a method for weaving curved warp yarns and a woven fabric. The method is characterized in that, in weaving warp yarns are delivered in an inclined direction by using a reed with vertical and inclined dents the spacing between which is variable. Inclined warp yarns and weft yarns are not interwoven in a vertical direction to form a curved warp yarn pattern in the fabric. The fabric woven by the method according to the invention has an irregular and variable pattern and good appearance.

IPC 8 full level
D03D 13/00 (2006.01); **D02H 13/16** (2006.01); **D03D 3/00** (2006.01); **D03D 23/00** (2006.01); **D03D 41/00** (2006.01); **D03D 49/62** (2006.01)

CPC (source: EP KR US)
D02H 13/16 (2013.01 - EP US); **D03D 13/00** (2013.01 - KR); **D03D 13/008** (2013.01 - EP US); **D03D 49/62** (2013.01 - EP KR US)

Citation (search report)
• [X] EP 0981660 A1 20000301 - BUESGEN ALEXANDER [DE]
• [X] US 4640317 A 19870203 - CHARDON GEORGES [FR], et al
• [X] US 1289015 A 19181224 - SUTER FRIEDERICK [US]
• [X] US 1024206 A 19120423 - KOPS WALDEMAR [US]
• [X] GB 274819 A 19271208 - HERMANN AUGUST TILLMANN'S, et al
• [X] US 1578447 A 19260330 - LAWTON OSCAR S
• [A] US 3422513 A 19690121 - ANDERSON HAROLD F
• See references of WO 03085182A1

Citation (examination)
FR 814429 A 19370623 - SUCCESSEURS DE G DEGLAS & CIE

Cited by
CN104088063A; RU2605379C2; CN103572482A; RU2642725C2; RU2651246C1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
US 2007079886 A1 20070412; AU 2002354340 A1 20031020; EP 1507027 A1 20050216; EP 1507027 A4 20060802;
JP 2005522589 A 20050728; KR 100946396 B1 20100309; KR 20050025155 A 20050311; WO 03085182 A1 20031016

DOCDB simple family (application)
US 51055602 A 20021206; AU 2002354340 A 20021206; CN 0200872 W 20021206; EP 02785019 A 20021206; JP 2003582347 A 20021206;
KR 20047016141 A 20021206