

Title (en)

Fabric for use in the manufacture of tissue products having visually discernable background texture regions bordered by curvilinear decorative elements

Title (de)

Faser zur Verwendung bei der Herstellung von gekrümmten Dekorationselementen umgebenen Gewebeprodukten mit visuell unterscheidbaren Hintergrundtexturbereichen

Title (fr)

Tissu à utiliser pour la fabrication de produits textiles ayant des régions de texture de fond perceptibles visuellement, entourées d'éléments décoratifs curvilinéaires

Publication

**EP 1876291 A2 20080109 (EN)**

Application

**EP 07019184 A 20021017**

Priority

- EP 02784144 A 20021017
- US 1583801 A 20011102
- US 1585801 A 20011102

Abstract (en)

The present invention is a woven sculpted fabric for the manufacture of a tissue web having a tissue contacting surface and a method for making such a woven sculpted fabric. The tissue contacting surface of the woven sculpted fabric includes at least a first group of strands and a second group of strands wherein the first group of strands extend in a first direction and the second group of strands extend in a second direction. The first group of strands are adapted to produce elevated floats and depressed sinkers thereby defining a three-dimensional fabric surface comprising; a first background region having a set of substantially parallel first elevated floats separated by a set of substantially parallel first depressed sinkers, comprising first depressed sinkers positioned between adjacent first elevated floats and comprising first elevated floats positioned between adjacent first depressed sinkers; a second background region having a set of substantially parallel second elevated floats separated by a set of substantially parallel second depressed sinkers, comprising second depressed sinkers positioned between adjacent second elevated floats and comprising second elevated floats positioned between adjacent second depressed sinkers; and, a transition region positioned between the first and second background regions, wherein the first elevated floats of the first background region become the second elevated floats of the second background region and the first depressed sinkers of the first background region become the second depressed sinkers of the second background region.

IPC 8 full level

**D21F 11/00** (2006.01); **D21F 1/00** (2006.01)

CPC (source: EP)

**D21F 1/0027** (2013.01); **D21F 1/0036** (2013.01); **D21F 11/006** (2013.01)

Citation (applicant)

- US 5672248 A 19970930 - WENDT GREG ARTHUR [US], et al
- US 4919877 A 19900424 - PARSONS MARK N [US], et al
- US 5598643 A 19970204 - CHUANG STRONG C [US], et al
- US 5701682 A 19971230 - CHUANG STRONG C [US], et al
- US 5699626 A 19971223 - CHUANG STRONG C [US], et al
- US 3879257 A 19750422 - GENTILE VICTOR R, et al
- US 5885418 A 19990323 - ANDERSON RALPH L [US], et al
- US 6149768 A 20001121 - HEPFORD RICHARD R [US]
- US 6120642 A 20000919 - LINDSAY JEFFREY DEAN [US], et al

Cited by

WO2009107021A1; WO2009107022A1; US11255051B2; US11591755B2; US10517775B2; US11000428B2; WO2010135270A1; WO2010022012A1; US8383235B2; US9243368B2; US10765570B2; US7687140B2; US7989058B2; US8192836B2; US8597781B2; US10301778B2; US10895041B2; US7704601B2; US7939168B2; US8491995B2; US9089452B2; US9435081B2; US11408129B2; US11732420B2; US7960020B2; US8507083B2; US9085855B2; US9677226B2; US11932995B2; US8025966B2; US8178196B2; US8652634B2; US9463605B2; US10023999B2; US10435845B2; US10435847B2; US10435846B2; US10648135B2; US10648134B2; US11427966B2; US10132042B2; US10458069B2; US10472771B2; US10822745B2; US11313061B2; US11725346B2; US11788221B2; US7811665B2; US8449976B2; US8460786B2; US10174458B2; US10968570B2; US11952723B2; US8334049B2; US8334050B2; US8545976B2; US8753737B2; US9408503B2; US9593452B2; US9701101B2; US9752281B2; US9937694B2; US10092145B2; US10323358B2; US10542853B2; US10577749B2; US11091880B2; US11946205B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 03040450 A2 20030515; WO 03040450 A3 20040311; AU 2002347933 B2 20070125; BR 0213365 A 20041207; BR 0213365 B1 20140930; CA 2463847 A1 20030515; CA 2463847 C 20100629; EP 1440195 A2 20040728; EP 1440195 B1 20110831; EP 1876291 A2 20080109; EP 1876291 A3 20090722; EP 1876291 B1 20140924; MX PA04003430 A 20040708**

DOCDB simple family (application)

**US 0233225 W 20021017; AU 2002347933 A 20021017; BR 0213365 A 20021017; CA 2463847 A 20021017; EP 02784144 A 20021017; EP 07019184 A 20021017; MX PA04003430 A 20021017**