

Title (en)

RENEWABLE IMAGED NONWOVEN FABRIC COMPRISING RECONSTITUTED FIBERS

Title (de)

WENIGSTENS TEILWEISE AUS REGENERATFASERN BESTEHENDER, ERNEUERBARER, BEBILDERTER VLIESSTOFF

Title (fr)

TISSU NON TISSE D'IMAGE RENOUVELABLE COMPRENANT DES FIBRES RECONSTITUEES

Publication

EP 1492913 A1 20050105 (EN)

Application

EP 03718259 A 20030407

Priority

- US 0310710 W 20030407
- US 37089602 P 20020408

Abstract (en)

[origin: WO03087457A1] The present invention is directed to a nonwoven fabric comprising reconstituted or regenerated fibers, wherein the nonwoven fabric exhibits improved aesthetic and physical performance, thus permitting use of the fabric in a wide variety of consumer applications. The nonwoven fabric exhibits a three-dimensional image that is durable to both converting and end-use application. In particular, the present invention contemplates that a fabric is formed from a precursor web (P) comprising at least one reconstituted fiber, which when subjected to hydroentanglement on a moveable imaging surface of a three-dimensional image transfer device (24), an enhanced product is achieved.

IPC 1-7

D04H 1/46; **D04H 3/10**

IPC 8 full level

D04H 1/70 (2012.01); **D04H 13/00** (2006.01)

CPC (source: EP US)

D04H 1/425 (2013.01 - EP US); **D04H 1/435** (2013.01 - EP US); **D04H 1/495** (2013.01 - EP US); **D04H 1/70** (2013.01 - EP US); **Y10T 442/60** (2015.04 - EP US); **Y10T 442/689** (2015.04 - EP US)

Cited by

CN103210131A

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

WO 03087457 A1 20031023; AU 2003221681 A1 20031027; CA 2481419 A1 20031023; EP 1492913 A1 20050105; EP 1492913 A4 20050706; MX PA04009751 A 20041213; US 2004248493 A1 20041209

DOCDB simple family (application)

US 0310710 W 20030407; AU 2003221681 A 20030407; CA 2481419 A 20030407; EP 03718259 A 20030407; MX PA04009751 A 20030407; US 40871903 A 20030407