

Title (en)
STRUCTURALLY STABLE FLAME-RETARDANT NONWOVEN FABRIC

Title (de)
FORMSTABILIER, FLAMMENHEMMENDER VLIESSTOFF

Title (fr)
NON-TISSE IGNIFUGE STRUCTURELLEMENT STABLE

Publication
EP 1606106 A2 20051221 (EN)

Application
EP 04758501 A 20040326

Priority
• US 2004009505 W 20040326
• US 45760703 P 20030326

Abstract (en)
[origin: WO2004088023A2] The present invention is directed to a hydroentangled flame-retardant nonwoven fabric, and more specifically, to a structurally stable flame-retardant fabric comprising at least two layers, wherein the fibrous components of the fabric have a synergistic relationship so as to maintain the integrity of the flame-retardant fabric upon burning. In accordance with the present invention, the nonwoven fabric is comprised of at least a first and second layer. The first layer comprises a blend of lyocell fiber and modacrylic fiber.

IPC 1-7
B32B 7/08; D06C 23/00

IPC 8 full level
B32B 7/08 (2006.01); **D04H 1/4258** (2012.01); **D04H 1/4282** (2012.01); **D04H 1/492** (2012.01); **D04H 1/495** (2012.01); **D04H 1/498** (2012.01); **D04H 3/00** (2006.01); **D04H 13/00** (2006.01); **D06C 23/00** (2006.01)

IPC 8 main group level
D04H (2006.01)

CPC (source: EP US)
D04H 1/4258 (2013.01 - EP US); **D04H 1/4282** (2013.01 - EP US); **D04H 1/492** (2013.01 - EP US); **D04H 1/495** (2013.01 - EP US); **D04H 1/498** (2013.01 - EP US); **Y10T 442/60** (2015.04 - EP US); **Y10T 442/689** (2015.04 - EP US)

Citation (search report)
See references of WO 2004088023A2

Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
WO 2004088023 A2 20041014; WO 2004088023 A3 20050421; CA 2520401 A1 20041014; EP 1606106 A2 20051221; US 2004248494 A1 20041209

DOCDB simple family (application)
US 2004009505 W 20040326; CA 2520401 A 20040326; EP 04758501 A 20040326; US 81038604 A 20040326