

Title (en)
GLAZED NONWOVEN FABRIC AND METHODS OF MANUFACTURE

Title (de)
GEGLÄTTETER VLIESTOFF UND VERFAHREN ZUR HERSTELLUNG

Title (fr)
TISSU NON TISSÉ LISSÉ ET PROCÉDÉS DE FABRICATION

Publication
EP 2861791 B1 20160914 (EN)

Application
EP 13728231 A 20130523

Priority
• US 201213495572 A 20120613
• FI 2013050566 W 20130523

Abstract (en)
[origin: US2013337714A1] A glazing method for improving abrasion resistance using a heated smooth roll to melt the lower-melting-point portion of bicomponent fibers as the spunbond web passes over the heated smooth roll. Because there is no external pressure exerted in a nip by an opposing second roller, as in calendering, the outer surface of the web which does not contact the heated smooth roll remains essentially unchanged and the nonwoven fabric exhibits no compression as a result of the glazing process. The roll temperature and dwell time (roll diameter, wrap angle and line speed) are controlled for the purpose of surface treating only one side of the nonwoven fabric to improve abrasion resistance while allowing the air permeability and web thickness to remain essentially unchanged.

IPC 8 full level
D06C 7/00 (2006.01); **D04H 3/147** (2012.01); **D06C 15/00** (2006.01)

CPC (source: CN EP US)
D04H 3/147 (2013.01 - CN EP US); **D06C 7/00** (2013.01 - CN EP US); **D06C 15/00** (2013.01 - CN EP US); **Y10T 442/626** (2015.04 - EP US)

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)
US 2013337714 A1 20131219; CN 104520487 A 20150415; CN 104520487 B 20161228; EP 2861791 A1 20150422; EP 2861791 B1 20160914; WO 2013186431 A1 20131219

DOCDB simple family (application)
US 201213495572 A 20120613; CN 201380043253 A 20130523; EP 13728231 A 20130523; FI 2013050566 W 20130523