

Title (en)

AN ENTANGLED NONWOVEN FABRIC WITH THERMOPLASTIC FIBERS ON ITS SURFACE AND THE METHOD OF MAKING SAME

Publication

EP 0171807 B1 19921230 (EN)

Application

EP 85110212 A 19850814

Priority

US 64115884 A 19840816

Abstract (en)

[origin: EP0171807A2] There is disclosed an entangled nonwoven fabric having a layer of fusible fibers on one or both surfaces of a relatively thick layer of base fibers. The fusible fibers are either homofil or conjugate fibers having an exposed low melting point component which have a lower melting temperature than the base fibers. The thermoplastic fibers are located on the outer surface of the base fibers either prior to or subsequent to the entangling of the fibers. The mixture of base and thermoplastic fibers are then heated to a temperature to heat fuse the homofil fibers or the low melting point component of the conjugate fibers.

IPC 1-7

D04H 1/44; **D04H 1/54**

IPC 8 full level

D04H 1/44 (2006.01); **D04H 1/54** (2006.01)

CPC (source: EP)

D04H 1/44 (2013.01); **D04H 1/54** (2013.01)

Cited by

EP2980293A4; GB2356145B; EP0394954A3; US6254821B1; CN1327951C; EP1781391A4; DE10314552A1; GB2319265A; EP0270846A1; EP0765616A1; US5786060A; EP0267610A3; EP0490476A1; US5288348A; US5470640A; EP0937420A3; US5492580A; US5721177A; EP0491383A1; US5254399A; US7112712B1; US6192556B1; WO0134079A1; WO0216025A3; WO9838369A1; WO9323596A1; WO02068744A3

Designated contracting state (EPC)

AT BE DE FR GB IT LU NL

DOCDB simple family (publication)

EP 0171807 A2 19860219; **EP 0171807 A3 19890607**; **EP 0171807 B1 19921230**; AT E84083 T1 19930115; AU 4624385 A 19860220; AU 576618 B2 19880901; BR 8503891 A 19860527; DE 3586931 D1 19930211; DE 3586931 T2 19930429; NZ 212999 A 19870529; ZA 856209 B 19870325

DOCDB simple family (application)

EP 85110212 A 19850814; AT 85110212 T 19850814; AU 4624385 A 19850815; BR 8503891 A 19850815; DE 3586931 T 19850814; NZ 21299985 A 19850805; ZA 856209 A 19850815