

Title (en)
Nonwoven reinforced with filaments

Title (de)
Filamentverstärkte Vliesstoffbahn

Title (fr)
Non-tissé renforcé avec des filaments

Publication
EP 0687756 A2 19951220 (DE)

Application
EP 95108989 A 19950610

Priority
DE 4420811 A 19940616

Abstract (en)
[origin: JPH0827656A] PURPOSE: To obtain a filament-reinforced nonwoven-fabric sheeting reinforced by sheets of parallel running reinforcement yarns integrated into the nonwoven- fabric sheeting. CONSTITUTION: This nonwoven-fabric sheeting comprises a binder used to vertically bind filaments A forming the nonwoven fabric to filaments B of reinforcement yarns at crossing points of the filaments A and B to each other and to vertically bind the filaments A themselves of the non-woven fabric at the crossing points of the filaments A with the same binder. No delamination is observable even in small areas of the nonwoven-fabric sheeting. Furthermore, the nonwoven-fabric sheeting has high stability at a low weight per unit area.

Abstract (de)
Filamentverstärkte Vliesstoffbahn, die durch Scharen von in die Vliesstoffbahn integrierten, parallel laufenden Verstärkungsgarnen verstärkt ist, wobei die das Vlies bildenden Filamente A an den Kreuzungsstellen mit Filamenten B der Verstärkungsgarne und zumindest stellenweise die Filamente B untereinander über einen Binder miteinander verbunden sind, dadurch gekennzeichnet, daß auch die Filamente A des Vliesstoffes untereinander an ihren Kreuzungsstellen über denselben Binder verbunden sind.

IPC 1-7
D04H 1/60

IPC 8 full level
D04H 1/54 (2006.01); **D04H 3/04** (2012.01); **D04H 3/147** (2012.01); **D04H 5/06** (2006.01); **D06N 5/00** (2006.01)

CPC (source: EP US)
D04H 3/04 (2013.01 - EP US); **D04H 3/147** (2013.01 - EP US); **Y10T 428/24058** (2015.01 - EP US); **Y10T 428/24074** (2015.01 - EP US); **Y10T 428/24132** (2015.01 - EP US); **Y10T 442/641** (2015.04 - EP US); **Y10T 442/643** (2015.04 - EP US)

Citation (applicant)
EP 0506051 A1 19920930 - HOECHST AG [DE]

Cited by
EP2733277B1

Designated contracting state (EPC)
BE DE DK FR GB IT NL SE

DOCDB simple family (publication)
EP 0687756 A2 19951220; **EP 0687756 A3 19980610**; **EP 0687756 B1 20000119**; DE 4420811 A1 19951221; DE 59507631 D1 20000224; DK 0687756 T3 20000703; JP H0827656 A 19960130; US 5691029 A 19971125

DOCDB simple family (application)
EP 95108989 A 19950610; DE 4420811 A 19940616; DE 59507631 T 19950610; DK 95108989 T 19950610; JP 14920295 A 19950615; US 47061195 A 19950606