

Title (en)

Fibrous laminate and process of producing the same.

Title (de)

Faseriger Schichtstoff und Verfahren zur Herstellung desselben.

Title (fr)

Stratifié fibreux et procédé pour sa production.

Publication

EP 0312090 B1 19940216 (EN)

Application

EP 88117120 A 19881014

Priority

- JP 3580588 A 19880218
- JP 4833088 A 19880301
- JP 26055787 A 19871015

Abstract (en)

[origin: EP0312090A2] A process of producing a fibrous laminate is described which comprises laminating a thermoplastic resin fiber binder non-woven fabric (A) having a melting point of from 60 to 200 DEG C on the surface of a fiber mat (B) composed of synthetic fibers or natural fibers, said synthetic fibers or natural fibers having a melting point of at least 40 DEG C higher than the melting point of the aforesaid fiber binder non-woven fabric, applying needling to the laminate from the side of the thermoplastic resin fiber binder non-woven fabric (A), whereby the binder fibers of the non-woven fabric (A) and the fibers of the fiber mat (B) are entangled with each other to provide a laminate mat (C), placing a surface decorating material (D) on the surface of the non-woven fabric (A), and heating the laminate to a temperature of not melting the surface decorating material (D) and the fibers of the fiber mat (B) but melting the binder fibers of the non-woven fabric (A) to weld the surface decorating material (D) and the laminate mat (C) in a body.

IPC 1-7

D04H 1/48

IPC 8 full level

D04H 1/48 (2006.01); **D04H 13/00** (2006.01)

CPC (source: EP)

D04H 1/485 (2013.01); **D04H 1/498** (2013.01); **D04H 1/559** (2013.01)

Cited by

FR2780420A1; DE10252295A1; CN104108337A; EP0503048A4; US5993586A; US9724852B1; US8012389B2; WO9419524A1; EP0684242B1; WO9602695A1; WO2020169116A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0312090 A2 19890419; **EP 0312090 A3 19900613**; **EP 0312090 B1 19940216**; DE 3887811 D1 19940324; DE 3887811 T2 19940707

DOCDB simple family (application)

EP 88117120 A 19881014; DE 3887811 T 19881014