Title (en)

Method for continuous production of impregnated paper honeycomb

Title (de)

Verfahren zur kontinuierlichen Herstellung imprägnierter Papierwaben

Title (fr)

Procédé de fabrication continue d'alvéoles de papier imprégné

Publication

EP 2186940 B1 20121219 (DE)

Application

EP 09013677 A 20091030

Priority

DE 102008057481 A 20081114

Abstract (en)

[origin: EP2186940A1] Continuous production of impregnated paper honeycomb (I) using polyurethane resin as core material, comprises: continuous production of expanded paper honeycomb material; continuous treatment of the material with an impregnating agent containing a polyurethane resin-containing solvent mixture; incipient dissolution and complete penetration of the paper honeycomb with the impregnating agent; reaction of the polyurethane resin with the existing moisture in the paper honeycomb and evaporation of the solvent content; and curing (I). Continuous production of impregnated paper honeycomb (I) using polyurethane resin as core material, comprises: continuous production of expanded paper honeycomb material; continuous treatment of the material with an impregnating agent containing a polyurethane resin-containing solvent mixture, where the reduced viscosity of the solvent is 10-35%; incipient dissolution and complete penetration of the paper honeycomb with the impregnating agent; reaction of the polyurethane resin with the existing moisture in the paper honeycomb and evaporation of the solvent content; and curing (I). An independent claim is included for the paper honeycomb impregnated with polyurethane resin.

IPC 8 full level

D21H 17/57 (2006.01); **B29D 24/00** (2006.01); **B32B 3/12** (2006.01); **D21H 21/18** (2006.01); **E04C 2/36** (2006.01)

CPC (source: EP)

D21H 17/57 (2013.01)

Cited by

CN113290944A; CN114069251A

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2186940 A1 20100519; **EP 2186940 B1 20121219**; PL 2186940 T3 20130531

DOCDB simple family (application)

EP 09013677 A 20091030; PL 09013677 T 20091030