

Title (en)  
COATED FIBROUS WEB AND PROCESS FOR THE PRODUCTION THEREOF

Title (de)  
BESCHICHTETES FASERVlies UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)  
NAPPE FIBREUSE ENDUITE ET PROCEDE DE PRODUCTION DE LADITE NAPPE

Publication  
**EP 1392920 B1 20120321 (EN)**

Application  
**EP 02716870 A 20020424**

Priority  
• FI 0200341 W 20020424  
• FI 20010846 A 20010424

Abstract (en)  
[origin: WO02092909A1] The present invention relates to a coated fibrous web and a method for producing it. According to the present invention, a coated fibrous web comprises a filler-containing base web that has a pigment-containing coating layer on at least one surface. The filler of the base web consists at least partially of cellulose or lignocellulose fibrils, on the surface of which light scattering material particles have been deposited. The filler comprises cellulose or lignocellulose fibrils having an average thickness less than 5µm produced from plant fibres by refining and screening. Considerable advantages are achieved with the present invention. With the help of the composite filler, the formation of the fibrous web can be improved significantly without impairing the retention, which makes it possible to achieve an extremely smooth substrate for the coating. The smoothness of the surface can also be improved. Furthermore, the fines-based carrier fraction of the fillers does not penetrate too much into the fibre network. Due to these reasons even a small amount of coating produces good coverage and quality improving cost-efficiency.

IPC 8 full level  
**D21H 17/69** (2006.01); **D21H 11/16** (2006.01); **D21H 15/12** (2006.01)

CPC (source: EP US)  
**D21H 17/69** (2013.01 - EP US); **D21H 11/16** (2013.01 - EP US); **D21H 15/12** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 02092909 A1 20021121**; AT E550485 T1 20120415; AU 2002247793 B2 20080501; CA 2444085 A1 20021121; CA 2444085 C 20111122; CN 100519936 C 20090729; CN 1520484 A 20040811; EP 1392920 A1 20040303; EP 1392920 B1 20120321; FI 117870 B 20110627; FI 20010846 A0 20010424; FI 20010846 A 20021025; JP 2004525281 A 20040819; NZ 529161 A 20050429; US 2004173329 A1 20040909

DOCDB simple family (application)  
**FI 0200341 W 20020424**; AT 02716870 T 20020424; AU 2002247793 A 20020424; CA 2444085 A 20020424; CN 02812660 A 20020424; EP 02716870 A 20020424; FI 20010846 A 20010424; JP 2002590163 A 20020424; NZ 52916102 A 20020424; US 47577404 A 20040422