Title (en)

Composite papermaking fabric having three or more layers

Title (de)

Drei- oder mehrlagiges Papiermaschinensieb in Form eines Verbundgewebes

Title (fr)

Tissu composite pour la fabrication du papier comportant au moins trois couches

Publication

**EP 1013820 B1 20040303 (DE)**

Application

**EP 99124251 A 19991204**

Priority

DE 19859582 A 19981222

Abstract (en)

[origin: EP1013820A2] The compound woven fourdrinier, for the wet section of a papermaking machine, is in three or more layers. An additional weft layer (50) is woven into the structure between the weft layer (44) of at least one upper woven material (42) and the weft layer (46) of at least one lower woven material (43). The upper and lower weft layers (44,46) are separated by the additional weft layer (50). The filaments (2,6,10...34,38) of the additional weft group (50) alternate with the bonding filaments (4,8,12...36,40) woven into at least one upper (42) and at least one lower (43) material. All the warps (45) of the upper woven material (42) lie over the additional weft group (50), and all the warps of the lower woven material (42) are under it. All the wefts (44,46,50) lie on a common and generally vertical plane. The wefts of the additional weft group (50) are offset vertically from the wefts (44,46) of at least one upper (42) and at least one lower (43) woven material.

IPC 1-7

**D21F 1/00**

IPC 8 full level

**D21F 1/10** (2006.01); **D21F 1/00** (2006.01)

CPC (source: EP US)

**D21F 1/0045** (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

DOCDB simple family (publication)

**EP 1013820 A2 20000628**; **EP 1013820 A3 20010207**; **EP 1013820 B1 20040303**; AT E261016 T1 20040315; CA 2293102 A1 20000622; DE 19859582 A1 20000629; DE 59908729 D1 20040408; JP 2000192385 A 20000711; US 6530398 B1 20030311

DOCDB simple family (application)

**EP 99124251 A 19991204**; AT 99124251 T 19991204; CA 2293102 A 19991220; DE 19859582 A 19981222; DE 59908729 T 19991204; JP 36452299 A 19991222; US 47055799 A 19991222