

Title (en)
WIRE CLOTH FOR PAPER-MAKING MACHINE

Title (de)
PAPIERMASCHINENSIEB

Title (fr)
TOILE DE MACHINE A PAPIER

Publication
EP 1387902 B1 20061213 (DE)

Application
EP 02742912 A 20020424

Priority
• DE 10123204 A 20010512
• EP 0204471 W 20020424

Abstract (en)
[origin: WO02092907A1] The invention relates to a paper-making machine wire cloth comprised of an individual woven cloth for the paper side (12) and an individual woven cloth for the running side (14), whereby each woven cloth consists of a set of weft threads (16; 20) and warp threads (18; 22). The diameters and the number of paper side and running side warp threads (18; 22) are essentially equal, and the paper side warp threads (18) and weft threads (16), together, form a plain weave. In order that at least a portion of the running side threads (22) passes into the paper side (12), extends over the subsequent paper side weft thread (16) and, afterwards, returns to the running side (14) each time at a location (24), at which this warp thread (22) is located above at least one assigned running side weft thread (20), a marking-free paper side is achieved in the plain weave while simultaneously improving the surface uniformity. A compact binding of the individual woven cloth is effected without the use of additional binding threads, whereby largely avoiding a layer separation of the individual woven cloth or an offset of the same with regard to one another.

IPC 8 full level
D21F 1/10 (2006.01); **D03D 3/02** (2006.01); **D03D 11/00** (2006.01); **D21F 1/00** (2006.01)

CPC (source: EP US)
D21F 1/0045 (2013.01 - EP US); **Y10S 162/903** (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 02092907 A1 20021121; AT E348218 T1 20070115; DE 10123204 A1 20021121; DE 10123204 C2 20030327; DE 50208955 D1 20070125; DK 1387902 T3 20070410; EP 1387902 A1 20040211; EP 1387902 B1 20061213; ES 2277617 T3 20070716; PT 1387902 E 20070131; US 2004089365 A1 20040513; US 7048830 B2 20060523

DOCDB simple family (application)
EP 0204471 W 20020424; AT 02742912 T 20020424; DE 10123204 A 20010512; DE 50208955 T 20020424; DK 02742912 T 20020424; EP 02742912 A 20020424; ES 02742912 T 20020424; PT 02742912 T 20020424; US 47282903 A 20030925