

Title (en)

Papermaking fabric

Title (de)

Papiermaschinenbespannung

Title (fr)

Toile pour machine à papier

Publication

EP 1619295 A3 20070131 (DE)

Application

EP 05104996 A 20050608

Priority

DE 102004035522 A 20040722

Abstract (en)

[origin: EP1619295A2] The covering comprises woven layers joined by connecting threads. In each connecting point or repeating connection unit, at least one connection is irregularly-arranged relative to the others. A variety of patterns having departures from regularity is described. A connecting point or unit may e.g. depart from or be offset from, a regular diagonal line of connections. Successive sets of connections on diagonal lines, may be inclined at differing angles. Up to 20%, 30%, 50% and most especially 70% of the connections in repeating units, do not follow a regular pattern. The smallest repeating unit is formed by 24, 26, 28, 30, 40 or more warp threads. At most 5 or 7 connecting threads are used. The connecting threads run in the warp and/or weft direction. The woven pattern formed on the paper side, is advanced by weaving the connecting threads with the warps or wefts on that side. The paper-side weave is a base weave or drain, preferably a canvas weave. Connecting threads are arranged in pairs.

IPC 8 full level

D21F 1/00 (2006.01)

CPC (source: EP US)

D21F 1/0045 (2013.01 - EP US)

Citation (search report)

- [X] DE 19732879 A1 19990204 - SCA HYGIENE PAPER GMBH [DE]
- [X] US 5829489 A 19981103 - KUJI TAKEHITO [JP]
- [X] US 5988229 A 19991123 - QUIGLEY SCOTT D [US]

Cited by

EP1936025A1; EP1816255A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1619295 A2 20060125; EP 1619295 A3 20070131; EP 1619295 B1 20090812; AT E439469 T1 20090815; DE 102004035522 A1 20060316; DE 502005007879 D1 20090924; ES 2329256 T3 20091124; US 2006016509 A1 20060126; US 7249615 B2 20070731

DOCDB simple family (application)

EP 05104996 A 20050608; AT 05104996 T 20050608; DE 102004035522 A 20040722; DE 502005007879 T 20050608; ES 05104996 T 20050608; US 18570305 A 20050721