

Title (en)
Papermaking fabric

Title (de)
Papiermaschinenbespannung

Title (fr)
Toile pour machine à papier

Publication
EP 1619294 A3 20080206 (DE)

Application
EP 05104983 A 20050608

Priority
DE 102004035519 A 20040722

Abstract (en)
[origin: EP1619294A2] Each repeating unit of the fabric is formed by at least 26 warp threads. The covering has a total thickness of 0.78 mm or less. In a machine-side fabric layer, the weft diameter is 0.35 mm or less. The covering is thinner, preferably being less than 0.55 mm in thickness and the machine-side wefts are 0.27 mm or less in diameter. The smallest repeating units have 28, 30, 40, 50 or more warps. On the machine side, the weave has one connecting point between layers, per 13-20 warp/weft threads. The connecting threads are arranged at least in pairs, in alternation. The fabric pattern on the paper-side is continued by weaving the connecting threads with warps and wefts on this side. Spacing of successive connecting threads, is between 1/4 and 3/4 of the mutual spacing between successive connecting points of the connecting threads. The weft ratio between paper side and machine side is 1:1, 2:1, 3:1, 3:2 or 4:3. Spacing between paper-side warp and machine-side warp layers near connecting points is 1.1, 1.05, or preferably 1.02 times the connecting thread thickness, with a tension of 60-80 N/cm.

IPC 8 full level
D21F 1/00 (2006.01)

CPC (source: EP US)
D21F 1/0027 (2013.01 - EP US); **D21F 1/0036** (2013.01 - EP US)

Citation (search report)
• [A] US 2004079434 A1 20040429 - MARTIN CHAD A [US], et al
• [A] US 5826627 A 19981027 - SEABROOK RONALD H [CA], et al

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 1619294 A2 20060125; EP 1619294 A3 20080206; DE 102004035519 A1 20060209; US 2006016505 A1 20060126;
US 8176944 B2 20120515

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EP 05104983 A 20050608; DE 102004035519 A 20040722; US 18570105 A 20050721