Title (en)
   Papermaking fabric

Title (de)
   Papiermaschinensieb

Title (fr)
   Tissu pour machine à papier

Publication
   EP 1788151 A1 20070523 (DE)

Application
   EP 06122409 A 20061017

Priority
   DE 102005055785 A 20051121

Abstract (en)
   The fabric has an upper layer (101) in a plain weave facing the paper side and a lower layer (102) on the machine side. The two layers are linked by
   paired connecting yarns (B19, B20) so that the upper fabric is joined at least twice, preferably six times (OA1 to OA6) to the upper transverse yarns
   (OK1 to OK39) in each pattern repeat. The paths of the two connecting yarns only differ in that they displaced by a number of upper transverse
   yarns. The repeat pattern of the connecting yarns preferably corresponds to 40 transverse yarns. The upper and lower fabric layers (101, 102) have
   the same number of transverse yarns but there are twice as many longitudinal yarns in the lower layer than in the upper layer. The transverse yarns
   (OK, UK) are warp threads and the connecting and longitudinal yarns are weft threads.

IPC 8 full level
   D21F 1/00 (2006.01)

CPC (source: EP US)
   D21F 1/0045 (2013.01 - EP US)

Citation (applicant)
   • EP 0432413 B1 19940629 - OBERDORFER F SIEBTECH GMBH [DE]
   • DE 29724238 U1 20000803 - WEAVEXX CORP [US]
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   • WO 2004061211 A2 20040722 - ALBANY INT CORP [US]
   • US 2004149342 A1 20040805 - TROUGHTON BRIAN [GB]
   • WO 2004111333 A2 20041223 - VOITH FABRICS PATENT GMBH [DE], et al

Citation (search report)
   • [PX] US 2006169346 A1 20060803 - FAHRER ERNEST [FR], et al
   • [X] WO 2004111333 A2 20041223 - VOITH FABRICS PATENT GMBH [DE], et al
   • [A] US 5151316 A 19920929 - DURKIN THOMAS B [US], 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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
   AL BA HR MK YU

DOCDB simple family (publication)
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   DE 502006005830 D1 20100225; ES 2337078 T3 20100420; US 2007113914 A1 20070524; US 7575026 B2 20090818

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