

Title (en)
Papermaking felt

Title (de)
Papiermacherfilz

Title (fr)
Feutre pour papeterie

Publication
EP 1167623 A1 20020102 (EN)

Application
EP 01305534 A 20010626

Priority
JP 2000193473 A 20000627

Abstract (en)
A papermaking felt comprises a woven ground fabric layer and a fibrous web accumulated on one side or on both sides of the ground fabric layer. The ground fabric and the fibrous web are intertwined and made integral by needling. To maintain the three dimensional structure of the felt against the pressure to which the papermaking felt is continually subjected in a high speed papermaking machine, and thereby retain the felt's water-squeezing function over a long period of time, all yarns of the warp or weft, or a part of the distributed yarns of the warp or weft which composes the ground fabric layer, are replaced by straight yarns S so that the warp or weft themselves maintain the felt's dimensional stability. Alternatively, straight yarns may be additionally and evenly inserted along the warp or weft of the ground fabric layer. <IMAGE> <IMAGE>

IPC 1-7
D21F 7/08

IPC 8 full level
D03D 1/00 (2006.01); **D03D 13/00** (2006.01); **D04H 1/46** (2006.01); **D04H 1/498** (2012.01); **D21F 7/08** (2006.01)

CPC (source: EP US)
D21F 7/083 (2013.01 - EP US)

Citation (search report)
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Designated contracting state (EPC)
AT DE FI GB SE

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EP 1167623 A1 20020102; CA 2351743 A1 20011227; CN 1172055 C 20041020; CN 1246524 C 20060322; CN 1330184 A 20020109; CN 1566522 A 20050119; JP 2002013088 A 20020118; US 2002060047 A1 20020523

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