

Title (en)
Papermaker's felt

Title (de)
Filz für die Papierherstellung

Title (fr)
Feutre pour papeterie

Publication
EP 1184511 A3 20020515 (DE)

Application
EP 01119349 A 20010810

Priority
DE 10040828 A 20000821

Abstract (en)
[origin: EP1184511A2] Woven blanket has a woven structure (20) with warps (30) and wefts (40) along and across the running direction of the machine. The fibers are needled to give a felting effect, and at least part of the warps have a twisted structure. The papermaking blanket uses a twisted fiber structure with a circular cross section, using at least three monofilaments. The woven blanket is in at least two overlaid layers, or three layers, with fibers embedded between the upper and lower layers. The warps and wefts of at least one upper layer are bonded with the warps and wefts of at least one lower layer. The twisted filament structure is in a multiple twist or a mixed twist with a monofilament and twisted and/or multiple twisted and/or spun and/or braided multifilaments. The monofilament to give a twisted structure has a diameter of 0.1-0.9 mm, (preferably 0.1-0.5 mm, especially 0.1-0.3 mm). The twisted structure has an average outer diameter of 0.3-1.0 mm, (preferably 0.4-0.8 mm, especially 0.4-0.6 mm). The weft density is ≥ 130 wefts/10 cm, (preferably 130-200 wefts/10 cm, especially 140-180 wefts/10 cm).

IPC 1-7
D21F 7/08

IPC 8 full level
D03D 1/00 (2006.01); **D03D 11/00** (2006.01); **D03D 15/00** (2006.01); **D21F 7/08** (2006.01)

CPC (source: EP US)
D21F 7/083 (2013.01 - EP US); **Y10S 162/90** (2013.01 - EP US); **Y10T 442/3089** (2015.04 - EP US); **Y10T 442/3724** (2015.04 - EP US)

Citation (search report)
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