

Title (en)  
Papermakers fabric with flat machine direction yarns

Title (de)  
Papiermachergewebe mit flachen Längsfäden

Title (fr)  
Toile pour papeterie ayant des fils dans le sens de la longueur de la machine à section droite aplatie

Publication  
**EP 0553501 B1 19981028 (EN)**

Application  
**EP 92122165 A 19910315**

Priority  
• EP 91907325 A 19910315  
• US 53416490 A 19900606  
• US 56797490 A 19900815  
• US 65400891 A 19910214

Abstract (en)  
[origin: EP0612882A1] A papermakers fabric having a system of flat monofilament machine direction yarns 22,23 (hereinafter MD yarns) interwoven with a system of cross machine direction yarns 21a,21b (hereinafter CMD yarns). The MD yarns 22,23 have an aspect ratio of greater than 3:1. Furthermore the MD yarns are vertically stacked with at least paired upper 22 and lower 23 MD yarns which weave over and under CMD yarns 21a,21b in such a manner that when a lower MD yarn 23 weaves over a CMD yarn 21a an upper MD yarn 22 is weaving (or floating) over the lower MD yarn 23. This ensures that no knuckles are apparent on the upper surface of the fabric. The weave gives rise to a warp-fill in the range of 80-125%.

IPC 1-7  
**D21F 1/00**

IPC 8 full level  
**D21F 1/10** (2006.01); **D21F 1/00** (2006.01); **D21F 7/08** (2006.01)

CPC (source: EP)  
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Cited by  
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