

Title (en)  
FELT FOR PAPERMAKING MACHINE

Publication  
**EP 0399301 A3 19910227 (DE)**

Application  
**EP 90108806 A 19900510**

Priority  
DE 3915909 A 19890516

Abstract (en)  
[origin: EP0399301A2] A felt for papermaking machines is proposed which consists of one or more wire screens and at least one nonwoven layer needle-punched thereto. In order to achieve a very high drainage rate with these felts, a ply formed only from longitudinal threads is inserted between the wire screen and the nonwoven layer or between the wire screens.

IPC 1-7  
**D21F 7/08**

IPC 8 full level  
**D21F 7/08** (2006.01)

CPC (source: EP)  
**D21F 7/083** (2013.01)

Citation (search report)  
• [A] EP 0307183 A1 19890315 - ASTEN GROUP [US]  
• [A] US 4564985 A 19860121 - TANABE TAKEO [JP]

Cited by  
GB2287257A

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0399301 A2 19901128; EP 0399301 A3 19910227; EP 0399301 B1 19941130**; AT E114752 T1 19941215; DE 3915909 A1 19901122; DE 59007803 D1 19950112; ES 2064522 T3 19950201

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