

Title (en)  
Cleaning device

Title (de)  
Reinigungsvorrichtung

Title (fr)  
Dispositif de nettoyage

Publication  
**EP 0867559 A3 19990602 (DE)**

Application  
**EP 98101242 A 19980124**

Priority  
DE 19712753 A 19970326

Abstract (en)  
[origin: EP0867559A2] The apparatus to clean a fourdrinier or blanket (2), in a papermaking machine, has a jet (7) with a rotation speed of 2500-4000 rpm for a normal cleaning action, and a speed of 1000-2500 rpm to give an intensive cleaning action on the blanket (2). Preferably the jet (7) is pitched at an angle (  $\alpha$  ) to the rotary axis (5) of  $2 \text{ degrees} \leq \alpha \leq 60 \text{ degrees}$  and preferably  $5 \text{ degrees} \leq \alpha \leq 25 \text{ degrees}$  . The jet (7) is at an angle (  $\beta$  ) to the surface normals (15) of  $-60 \text{ degrees} \leq \beta \leq 60 \text{ degrees}$  . The jet (7) lies on a first plane (E1) against the rotary axis (5), with a straight line intersecting the centre axis (9) of the jet (7) at an angle (  $\delta$  ) of  $2 \text{ degrees} \leq \delta \leq 60 \text{ degrees}$  and preferably  $5 \text{ degrees} \leq \delta \leq 25 \text{ degrees}$  . The jet has a diameter of 0.05-0.8 mm and preferably 0.1-0.4 mm.

IPC 1-7  
**D21F 1/32**

IPC 8 full level  
**D21F 1/32** (2006.01)

CPC (source: EP US)  
**D21F 1/32** (2013.01 - EP US)

Citation (search report)

- [A] DE 29503752 U1 19950427 - VOITH SULZER PAPIERMASCH GMBH [DE]
- [A] DE 9208909 U1 19920924

Cited by  
US11613847B2; EP3663463A1; IT201800010875A1

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**EP 98101242 A 19980124**; DE 19712753 A 19970326; DE 59806577 T 19980124; US 4739298 A 19980325; US 52780600 A 20000317