

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 (α) 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 (β) 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 (δ) 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

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0867559 A2 19980930; EP 0867559 A3 19990602; EP 0867559 B1 20021211; DE 19712753 A1 19981001; DE 59806577 D1 20030123; US 6053986 A 20000425; US 6176939 B1 20010123

DOCDB simple family (application)
EP 98101242 A 19980124; DE 19712753 A 19970326; DE 59806577 T 19980124; US 4739298 A 19980325; US 52780600 A 20000317