

Title (en)
Suction roll

Title (de)
Saugwalze

Title (fr)
Rouleau aspirant

Publication
EP 1321569 B1 20070214 (DE)

Application
EP 02016700 A 20020726

Priority
• DE 10163542 A 20011221
• DE 20206067 U 20020418

Abstract (en)
[origin: EP1321569A1] A paper manufacturing suction roller has a mantle (1) whose inner space (2) is exhausted by a pump or fan, and limited on either side by air seals. The ratio of the perforated mantle surface area and the non-perforated mantle surface area is lower in the outer marginal areas than in the mid-section. The ratio of the perforated mantle surface area to the non-perforated surface area near the seals is less than in the roller centre section. The perforations are formed by drill action. The roller outer margins and in close proximity to the seals have fewer perforations which are of lesser diameter than the centre section.

IPC 8 full level
D21F 3/10 (2006.01)

CPC (source: EP)
D21F 3/10 (2013.01); **D21F 3/105** (2013.01)

Cited by
WO2005111304A1; WO2004087402A1

Designated contracting state (EPC)
AT DE FI IT SE

DOCDB simple family (publication)
EP 1321569 A1 20030625; EP 1321569 B1 20070214; AT E353992 T1 20070315; DE 50209469 D1 20070329

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