

Title (en)
STEAM DISTRIBUTOR

Publication
EP 0275915 A3 19910410 (DE)

Application
EP 88100380 A 19880113

Priority
DE 3701407 A 19870120

Abstract (en)
[origin: US5059285A] An apparatus for directing jets of steam against successive increments of a running web of moist fibrous material in a paper making machine has a housing with an apertured wall, which is adjacent one side of the running web, and several plenum chambers which are adjacent the apertured wall and serve to deliver uniformly distributed steam for penetration through the wall and into contact with the web. At least some plenum chambers contain valves which discharge several annuli of streamlets of steam so that the streamlets first contact the masses of steam in the respective chambers and spread in such chambers prior to reaching the apertured wall. Each valve has a cylindrical body portion with two annuli of steam discharging ports whose axes are inclined at angles of more than 60 DEG with reference to an axis extending at right angles to the apertured wall. Each cylindrical body portion has twelve or more ports to ensure uniform distribution of steam in the respective chamber.

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D21F 7/00

IPC 8 full level
D21F 7/00 (2006.01)

CPC (source: EP US)
D21F 7/00 (2013.01 - EP US); **D21F 7/008** (2013.01 - EP US)

Citation (search report)
• [A] US 4320583 A 19820323 - DOVE NORMAN F
• [A] US 4331510 A 19820525 - WELLS ROGER

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

DOCDB simple family (publication)
US 5059285 A 19911022; AT E90125 T1 19930615; CA 1322881 C 19931012; DE 3701407 C1 19880407; EP 0275915 A2 19880727; EP 0275915 A3 19910410; EP 0275915 B1 19930602; ES 2041274 T3 19931116

DOCDB simple family (application)
US 14493488 A 19880115; AT 88100380 T 19880113; CA 556786 A 19880119; DE 3701407 A 19870120; EP 88100380 A 19880113; ES 88100380 T 19880113