

Title (en)

APPARATUS FOR EVENLY DISTRIBUTING A LIQUID FLOW OVER A GIVEN WIDTH

Publication

EP 0147536 B1 19900207 (DE)

Application

EP 84111161 A 19840919

Priority

- AT 119384 A 19840409
- AT 358583 A 19831007

Abstract (en)

[origin: US4665723A] A nozzle assembly for applying a treatment liquid to a web moving horizontally in a predetermined direction and having a width measured horizontally perpendicular to the direction has a body extending longitudinally above the goods the full width thereof and formed with a longitudinally extending body chamber. The liquid is supplied to the chamber via appropriate passages and conduits. A nozzle bar secured to the body is formed with a bar chamber extending longitudinally the full length thereof and with an outlet slot opening downward from the bar chamber. The bar and body are formed with at least one upright connecting passage between the chambers. Thus the liquid in the body chamber flows via the passage into the bar chamber. The liquid is distributed uniformly the length of the chambers, principally by maintaining a generally constant pressure on the liquid in the body chamber. The pressure can be maintained by a piston upwardly closing and vertically displaceable in the chamber. Weights or springs bear downward on the piston with a generally constant force.

IPC 1-7

B41F 15/44; D06B 1/08

IPC 8 full level

D06B 1/08 (2006.01)

CPC (source: EP US)

D06B 1/08 (2013.01 - EP US); **D06B 1/16** (2013.01 - EP)

Cited by

US5775218A; GB2352682A; AT392985B; WO8703020A1

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