

Title (en)
Coating of porous substrate

Title (de)
Beschichtung poröser Träger

Title (fr)
Revêtement de substrats poreux

Publication
EP 0887115 A3 19990519 (DE)

Application
EP 98109531 A 19980526

Priority
DE 19722117 A 19970527

Abstract (en)
[origin: CA2237474A1] The invention relates to an apparatus for applying, by means of a slotted nozzle device formed between a stationary incoming nozzle lip and a trailing nozzle lip, a thin layer of coating material to a porous material web that passes over a counterpressure roll, wherein a doctor bar with an essentially circular cross-sectional shape is disposed on the trailing nozzle lip; this doctor bar has on its periphery at least one flattened section that runs across the entire longitudinal extension of the doctor bar and is rotatably supported within a doctor support so that the flattened section is adjustable at a setting angle relative to the counterpressure roll.

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B05C 5/02; B29C 47/32

IPC 8 full level
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B05C 11/025 (2013.01 - EP US); **D06B 1/08** (2013.01 - EP US); **D21H 23/34** (2013.01 - EP US); **B05C 3/18** (2013.01 - EP US)

Citation (search report)

- [X] US 4180541 A 19791225 - GABRIELLI ERNESTO [IT]
- [X] EP 0056067 A1 19820721 - BOLTON EMERSON [US]
- [X] EP 0055867 A2 19820714 - BOLTON EMERSON [US]
- [DX] DE 3100101 A1 19820729 - BOLTON EMERSON [US]
- [A] US 4765272 A 19880823 - MLADOTA JOHN [CH]
- [A] EP 0453427 A2 19911023 - VALMET PAPER MACHINERY INC [FI]
- [A] EP 0091147 A2 19831012 - ROTOMECC COSTR MECC [IT]

Cited by
CN103180054A

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DE 19722117 A1 19981203; DE 19722117 C2 20000907; CA 2237474 A1 19981127; EP 0887115 A2 19981230; EP 0887115 A3 19990519; JP H10328597 A 19981215; US 6077351 A 20000620

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