

Title (en)
PROCESS AND APPARATUS FOR THE STABILISATION OF FREE FALLING LIQUID CURTAINS

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Application
EP 83113019 A 19831223

Priority
DE 3300150 A 19830104

Abstract (en)
[origin: US4479987A] The stabilization of free-falling liquid curtains (4) in the coating of objects or webs (5) using curtain coaters is considerably improved by the use of curtain holders (9) from which an additional auxiliary liquid (11) issues towards and combines with the curtain (4), for laterally guiding the free-falling curtain (4) formed at the coating edge (3) of the coater. Triangular liquid bridges (14) are thus formed between the curtain (4) and the curtain holders (9) from the coating edge (3) to the point where the curtain (4) impinges on the layer support (5). The curtain holders (9) consist of tubular hollow bodies with a delivery spout (10) and a distributing passage (12) for the liquid (11) and an exit slot (13) or of a porous tubular material without any exit slot (FIG. 3).

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CPC (source: EP US)
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Cited by
EP0649054A1; US5906865A; EP0603087A3; US5339255A; EP0567071A1; FR2580199A1; EP0327020A3; EP0517170A1; US5304402A;
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