

Publication

EP 0137450 A1 19850417 (DE)

Application

EP 84111857 A 19841004

Priority

DE 3336665 A 19831008

Abstract (en)

[origin: US4670302A] Method and apparatus for wetting pourable solid matter. A preferred apparatus includes a tank (31) for accepting the solid matter, a mixing mechanism (32) for moving and breaking up the solid matter within the tank (31), at least one apparatus (5) for spraying the liquid substance supplied from a reservoir (11) into the tank, and an apparatus (2) for continuously feeding solid matter into the tank (31), characterized by the fact that the apparatus for spraying in the liquid substance includes at least one spraying nozzle (5) with an unchangeable (fixed) outlet opening (178) and a closure member (15, 16) that is to be opened (for aerating) and closed continuously, in a controllable sequence, that is connected to a feed line (9) that is under almost uniform pressure, and that is to be opened intermittently, for example electropneumatically, by control signals furnished from the apparatus (2) for supplying the solid matter.

Abstract (de)

Zum Hochdruckversprühen flüssiger Substanzen wie Leim wird vorgeschlagen, die flüssige Substanz unter konstantem Druck intervallweise zu versprühen, so daß eine Steuerung der versprühten Menge durch Verändern der Impulszeiten der Versprühung erfolgt, ohne den Druck, unter welchem versprüht wird, ändern zu müssen. Diese Art der Versprühung eignet sich besonders zum Beleimen von Spangut mit Leimen, die bei unsachgemäßer Verarbeitung gesundheitsschädliche Aerosole bilden können.

IPC 1-7

B27N 1/02; B05D 1/02; B05B 9/00

IPC 8 full level

B05B 9/00 (2006.01); **B05D 1/02** (2006.01); **B27N 1/02** (2006.01)

CPC (source: EP US)

B27N 1/029 (2013.01 - EP US)

Citation (search report)

- DE 1796280 A1 19721109 - MCMILLAN BLOEDEL LTD
- DE 2523636 A1 19761216 - LOEDIGE WILHELM, et al

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DOCDB simple family (publication)

EP 0137450 A1 19850417; **EP 0137450 B1 19871216**; AT E31394 T1 19880115; CA 1249951 A 19890214; DE 3336665 A1 19850425; DE 3468092 D1 19880128; US 4670302 A 19870602

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EP 84111857 A 19841004; AT 84111857 T 19841004; CA 464969 A 19841009; DE 3336665 A 19831008; DE 3468092 T 19841004; US 65828684 A 19841005