

Title (en)

Method and apparatus for spraying workpieces

Title (de)

Verfahren und Vorrichtung zum Besprühen von Werkstücken

Title (fr)

Procédé et dispositif de pulvérisation sur des objets

Publication

EP 1044724 A3 20030604 (DE)

Application

EP 00107244 A 20000403

Priority

DE 19916761 A 19990414

Abstract (en)

[origin: EP1044724A2] The spraying method has a spray head (58) supplied with a liquid flow at a controlled temperature and/or pressure, for providing a liquid mist for coating the workpiece surface. The liquid flow is passed through a heat exchanger (16), supplied with hot water for heating it to the required spray temperature, the flow to the spray head controlled by the ratio between the opening and closing intervals of a control valve. An independent claim for a workpiece spraying device is also included.

IPC 1-7

B05B 7/16; B05B 13/02; B21B 45/02

IPC 8 full level

B05B 7/16 (2006.01); B05B 7/08 (2006.01); B05B 13/02 (2006.01); B21B 45/02 (2006.01)

CPC (source: EP US)

B05B 7/1673 (2013.01 - EP US); B05B 7/0884 (2013.01 - EP US); B05B 7/1606 (2013.01 - EP US); B05B 13/0207 (2013.01 - EP US); B05B 13/0221 (2013.01 - EP US); B05B 13/0278 (2013.01 - EP US); B21B 45/0233 (2013.01 - EP US); B21B 45/0251 (2013.01 - EP US)

Citation (search report)

- [X] US 2976392 A 19610321 - RICHARD WABNITZ
- [X] EP 0520728 A1 19921230 - NORDSON CORP [US]
- [X] US 5526981 A 19960618 - SANSON BRUCE A [US]
- [X] US 4131395 A 19781226 - GUSMER FREDERICK E, et al
- [X] EP 0112157 A1 19840627 - NORDSON CORP [US]
- [X] EP 0473424 A2 19920304 - NORDSON CORP [US]
- [X] US 5141156 A 19920825 - HOY KENNETH L [US], et al
- [DA] DE 19544016 A1 19970528 - KLASCHKA GMBH & CO [DE], et al

Cited by

CN103433308A; EP3453466A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1044724 A2 20001018; **EP 1044724 A3 20030604**; DE 19916761 A1 20001102; US 6491756 B1 20021210

DOCDB simple family (application)

EP 00107244 A 20000403; DE 19916761 A 19990414; US 54885600 A 20000413