

Title (en)
Rotary atomising device

Title (de)
Rotationssprüherstäuber

Title (fr)
Pulvérisateur rotatif

Publication
EP 0829306 B1 20031112 (DE)

Application
EP 97115490 A 19970908

Priority
DE 19637308 A 19960913

Abstract (en)
[origin: EP0829306A2] The atomiser (10) is arranged on a surface with a housing (12), in which a drive motor rotates a spray head located on the front side. At least two electrodes (16) accommodated in electrode holders (20) are arranged parallel or obliquely extending concentrically to the longitudinal axis of the housing, fed by at least one high voltage source to produce an electric field. The electric field acts on a spray mist emitted by the spray head against the coating surface. A high voltage source is arranged in each electrode holder, which feeds the associated electrode arranged at the respective front side. Each high voltage source arranged in an electrode holder is connected with a low voltage current source for its supply. The high voltage source arranged for feeding the associated electrode is formed by a cascade, consisting of diodes and capacitors, which acts as a voltage multiplier.

IPC 1-7
B05B 5/053; **B05B 5/04**

IPC 8 full level
B05B 5/04 (2006.01); **B05B 5/053** (2006.01)

CPC (source: EP)
B05B 5/04 (2013.01); **B05B 5/0533** (2013.01)

Cited by
US6833029B2; WO9944748A1; WO0243874A1

Designated contracting state (EPC)
BE DE ES FR GB IT

DOCDB simple family (publication)
EP 0829306 A2 19980318; **EP 0829306 A3 19990317**; **EP 0829306 B1 20031112**; DE 19637308 A1 19980319; DE 59710984 D1 20031218

DOCDB simple family (application)
EP 97115490 A 19970908; DE 19637308 A 19960913; DE 59710984 T 19970908