

Title (en)  
ELECTROSTATIC ROTARY ATOMIZING LIQUID SPRAY COATING APPARATUS

Publication  
**EP 0243043 B1 19910626 (EN)**

Application  
**EP 87303098 A 19870409**

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Abstract (en)  
[origin: EP0243043A2] An electrostatic liquid spray coating apparatus including a rotary cup (20) driven by an air turbine (31) is provided with a ring-shaped electrode (46) embedded in the inner surface of the cup. A support body (10), housing a turbine (31), has a reduced diameter intermediate section (16) in which are located liquid coating-and solvent valves. The support body (10) is mounted to a rear bracket by insulative columns (62, 64, 66) one of which accomodates a high voltage cable (74) connected to a stationary conductor which terminates in proximity to a semi-conductive ring (102) connected to the electrode (46) by pins (104). A dump valve (80) is mounted on the bracket. In an alternate embodiment the support body has a cap (400) in which the rotary cup (20) is recessed. A ring of jets (28) for projecting and shaping air flow and a repulsion ring (470) surrounds the cup (20).

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Cited by  
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