

Title (en)

Electrostatic painting installation for a conductive liquid and isolating device for a supply system of a conductive liquid.

Title (de)

Elektrostatische Farbspritzanlage für eine leitende Flüssigkeit und Isolierungsvorrichtung für ein Versorgungssystem einer leitenden Flüssigkeit.

Title (fr)

Installation de projection par voie électrostatique d'un produit liquide conducteur et dispositif d'isolation pour un circuit de distribution d'un produit liquide conducteur.

Publication

**EP 0394084 A1 19901024 (FR)**

Application

**EP 90400880 A 19900330**

Priority

FR 8905220 A 19890419

Abstract (en)

[origin: JPH02293064A] PURPOSE: To rapidly achieve electrical insulation by providing an electrical insulation device with a piston which is movable in an insulative conduit section and scraps and washes the inside surface and a means for displacing this piston. CONSTITUTION: When a cycle starts, one valve corresponding to the selected coating material among respective valves 66 opens and the target coating material flows via hoses 74, a valve 76 and a shut-off valve 40 to the insulative conduit section 12. The coating material accumulates in an intermediate storage tank 64 during the closing of the valve 78. During this step, the voltage of a power source 62 is lowered down to 0. While the intermediate storage tank 64 is filled, a pressure reducing valve 80 is regulated to the position where the pressure of the coating material can discharge the air included in the intermediate storage tank via an orifice for venting the same. When the prescribed amt. of the coating material passes a flow meter 72, the respective valves 66 and 76 close and the valve 82 opens to activate an actuator 16. The shut off valve 40 closes and the scraping piston operates.

Abstract (fr)

Installation de projection électrostatique d'un produit liquide tel qu'un produit de revêtement relativement conducteur. Selon l'invention, l'installation comporte au moins un dispositif d'isolation (11) comportant un tronçon de conduit isolant (12) de longueur suffisante pour supporter une tension prédéterminée et un piston de raclage (14) susceptible d'être déplacé dans ce tronçon de conduit pour nettoyer la paroi interne de ce dernier.

IPC 1-7

**B05B 5/16**

IPC 8 full level

**B05B 5/16** (2006.01); **B05B 12/14** (2006.01)

CPC (source: EP US)

**B05B 5/1625** (2013.01 - EP US); **B05B 5/1633** (2013.01 - EP US); **B05B 5/1641** (2013.01 - EP US); **B05B 5/1666** (2013.01 - EP US); **B05B 5/1675** (2013.01 - EP US); **B05B 12/14** (2013.01 - EP US)

Citation (search report)

[A] WO 8705832 A1 19871008 - TILLY LEIF [SE]

Cited by

US5759277A; US5549755A; FR2726880A1; EP0593238A1; EP0911081A3; EP0487378A1; FR2669245A1; US5249748A; US8737537B2

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