

Title (en)

Cold sprayer for surface treatments with binder on road subfloors

Title (de)

Spritzmaschine für Oberflächenbehandlung mit Kaltbindemittel von Strassenuntergründen

Title (fr)

Pulvérisateur à froid pour traitement de surface au liant de substrats routiers

Publication

EP 0894537 A1 19990203 (EN)

Application

EP 97120584 A 19971125

Priority

IT BO970469 A 19970731

Abstract (en)

The sprayer features a cylinder (1) fitted with a manometer (2), an inlet valve (3), a safety valve (4) an outlet valve (5) and a spraying unit to be rapidly assembled onto the said outlet valve; such an unit consisting of a clutch (6) of a flexible pipe (7) having at its end a nozzle spray unit (8). At first, the cylinder is prepared to be used by filling up chamber (9) with a bitumen and water emulsion, and by determining a difference of air pressure between the outside and the inside for pouring off of said air from an air compressed cylinder and controlling the inlet - to be actuated through the inlet valve (3) - by the manometer (2). After to have linked up the two parts, cylinder (1) and the pipe with nozzle spray unit (8), the cold sprayer can be slung over the operator's shoulder by means of a shoulder-belt (10) to be fixed up at the holding parts (11) and to be used with one hand so determining the pressure outlet of binder through the opening of the outlet valve (5), while the other hand moves the spraying unit with holding on the end part of the flexible pipe (7). The operator so will spread the binder moving himself in behind on the road in order not to hamper a right spraying operation. <IMAGE>

IPC 1-7

B05B 9/08; **E01C 19/17**

IPC 8 full level

B05B 9/08 (2006.01); **E01C 19/17** (2006.01)

CPC (source: EP)

B05B 9/0805 (2013.01); **E01C 19/172** (2013.01)

Citation (search report)

- [XY] GB 637704 A 19500524 - EXCELARC ENGINEERING COMPANY L, et al
- [YA] FR 2487789 A1 19820205 - SILEC LIAISONS ELEC [FR]
- [YA] GB 1400198 A 19750716 - FELDMANN H
- [XY] FR 1090481 A 19550330 - DRAKE AND FLETCHER LTD
- [YA] US 3764072 A 19731009 - MOREHOUSE J, et al
- [YA] GB 2267316 A 19931201 - BYRNE KEVIN JOHN [GB]
- [YA] FR 996301 A 19511218
- [Y] US 5174343 A 19921229 - ROOD JOHN W [US]
- [A] FR 1554947 A 19690124
- [A] GB 344643 A 19310312 - HAROLD EDWIN POTTS

Cited by

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