

Title (en)

Installation with a pump for spraying a coating product.

Title (de)

Anlage mit einer Pumpe zum Spritzen eines Beschichtungsstoffes.

Title (fr)

Installation de projection de produit de revêtement, à pompe.

Publication

EP 0292354 A1 19881123 (FR)

Application

EP 88401110 A 19880506

Priority

- FR 8706969 A 19870519
- FR 8707939 A 19870605

Abstract (en)

Installation for spraying a coating product, in particular paint. <??>In such an installation, a pump (28) is inserted in a circuit (22) connected to a spraying means (14) and, according to an important feature of the invention, this pump, preferably of the geared type, is pilot-controlled by flow-control means (32). <??>Application to the automobile industry. <IMAGE>

IPC 1-7

B05B 12/08; B05B 12/14

IPC 8 full level

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CPC (source: EP US)

B05B 12/085 (2013.01 - EP US); **B05B 12/1418** (2013.01 - EP US); **B05B 12/14** (2013.01 - EP US)

Citation (search report)

- [A] GB 2091911 A 19820804 - BINKS BULLOWS LTD
- [A] US 4510397 A 19850409 - SCHROEDER JR DONALD E [US]
- [A] DE 3221327 A1 19830915 - DAIMLER BENZ AG [DE]
- [A] US 4204612 A 19800527 - SCHRADER JOSEPH F [US], et al
- [A] US 3477870 A 19691111 - BORETTI NAPOLEON P, et al
- [A] US 3974879 A 19760817 - NELSON JR GEORGE R, et al
- [Y] DE 3221326 A1 19830616 - DAIMLER BENZ AG [DE]
- [X] PATENT ABSTRACTS OF JAPAN, vol. 6, no. 15 (C-89)[893], 28 janvier 1982, page 66 C 89; & JP-A-56 139 162 (NIPPON RANSBURG K.K.) 30-10-1981
- [X] PATENT ABSTRACTS OF JAPAN, vol. 9, no. 180 (C-293)[1903], 25 juillet 1985, page 155 C 293; & JP-A-60 51 566 (ITOUKI KOUSAKUSHIYO K.K.) 23-03-1985

Cited by

EP0480080A1; RU2675911C2; EP0459892A1; FR2662620A1; US6383572B1; WO9221447A1; WO9841316A1; US10137470B2; WO2015185190A1

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