

Title (en)

Controlled paint spray installation using frequent colour changes, in particular for the motor car industry.

Title (de)

Gesteuerte Farbspritzanlage mit häufigem Farbwechseln, insbesondere für die Automobilindustrie.

Title (fr)

Installation pilotée de projection de peinture ou analogue avec changement de couleur fréquent, notamment pour l'industrie automobile.

Publication

EP 0338871 A1 19891025 (FR)

Application

EP 89400534 A 19890224

Priority

FR 8803408 A 19880316

Abstract (en)

The installation comprises a coating product spray (14) fed, via a distribution circuit (12), with a combination of five primary colour change units (G to K), connected by controlled valves (1g-6g, 1h-6h, 1i-6i, 1j-6j, 1k-6k) to groups (A to E) of paint supply loops (1a-6a, 1b-6b, 1c-6c, 1d-6d, 1e-6e), through each of which a particular coating product passes, and a secondary colour change unit (L) connected to the outputs of the primary units (G to K) by intermediate ducts (11g to 11k). Thus, the only ducts in which the coating products could stagnate and deposit sediment are these intermediate ducts. In the usual case, these intermediate ducts are flushed and rinsed after use. However, in order to reduce losses of paint and solvent, the flushing and rinsing of a duct are inhibited if, according to the colour change predictions, on the first occasion the duct is used after being used with a particular colour, and within a fixed period of time, the same colour will be used. <IMAGE>

IPC 1-7

B05B 12/14

IPC 8 full level

B05B 12/14 (2006.01)

CPC (source: EP)

B05B 12/14 (2013.01); **B05B 12/149** (2013.01)

Citation (search report)

- [A] US 3674205 A 19720704 - KOCK ERHARD
- [A] PATENT ABSTRACTS OF JAPAN, vol. 5, no. 132 (C-68)[804], 22 août 1981, page 7 C 68; & JP-A-56 65 656 (MITSUBISHI JIDOSHA KOGYO K.K.) 03-06-1981

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JP2010512241A; FR2809970A1; DE10335358A1; DE4329101A1; EP0640403A3; DE4339302A1; DE4339302C2; DE3927880A1; DE3927880C2; US6291018B1; US6641666B2; US6296706B1; US7445816B2; WO2008071273A3; WO0194025A1; US8333164B2

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