

Title (en)
Painting installation

Title (de)
Lackiereinrichtung

Title (fr)
Installation de peinture

Publication
EP 1369182 A3 20050330 (DE)

Application
EP 03011070 A 20030520

Priority
DE 10226263 A 20020607

Abstract (en)
[origin: EP1369182A2] Arrangement for painting objects comprises a paint line (8) with a circulation pump (16) connecting a paint reservoir/circulation container (10) to a working position (2) and having a feed (20) leading to the working position and a return (22) leading from the working position to the paint reservoir/circulation container. A device (18) producing a pressure difference is provided between the feed and return. Several removal points (4, 6) are provided via tap lines between the feed and return at the working position so that the tap lines preferably contain paint with no dead space even during longer shutdown periods. The paint line has a constant cross-section at least in the section provided with the removal points. The removal points each have a pressure-regulating device for individually adjusting the pressure difference bleeding off via the removal points so that a desired flow cross-section through the tap lines is achieved.

IPC 1-7
B05B 7/24; **B05B 9/04**

IPC 8 full level
B05B 9/04 (2006.01); **B05B 15/58** (2018.01); **B05B 15/12** (2006.01)

CPC (source: EP)
B05B 9/0423 (2013.01); **B05B 15/58** (2018.01); **B05B 16/20** (2018.01)

Citation (search report)

- [PX] DE 10117917 A1 20021017 - VOLKSWAGEN AG [DE]
- [X] US 3023968 A 19620306 - MITCHELL WALTER E
- [X] WO 9533574 A1 19951214 - NORDSON CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 284 (C - 0730) 20 June 1990 (1990-06-20)

Cited by
CN105080755A; CN113753271A; US8794174B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1369182 A2 20031210; **EP 1369182 A3 20050330**; **EP 1369182 B1 20060621**; AT E330709 T1 20060715; DE 10226263 A1 20031224; DE 50303906 D1 20060803; ES 2266681 T3 20070301; SI 1369182 T1 20061031

DOCDB simple family (application)
EP 03011070 A 20030520; AT 03011070 T 20030520; DE 10226263 A 20020607; DE 50303906 T 20030520; ES 03011070 T 20030520; SI 200330327 T 20030520