Title (en)

METHOD AND ARRANGEMENT FOR THE TRANSPORT OF ELECTRICALLY CONDUCTIVE PAINT

Title (de)

VERFAHREN UND ANORDNUNG ZUM TRANSPORT VON ELEKTRISCH LEITFÄHIGEM LACK

Title (fr)

PROCEDE ET DISPOSITIF POUR TRANSPORTER UNE PEINTURE ELECTROCONDUCTRICE

Publication

EP 1124645 A1 20010822 (DE)

Application

EP 00982738 A 20000824

Priority

- DE 19940542 A 19990826
- EP 0008255 W 20000824

Abstract (en)

[origin: DE19940542A1] The invention relates to a method and an arrangement for the transport of electrically conductive paint from a position at earth potential to at least one paint application device (4) which is charged at high voltage potential. The amount of pre-selected paint required is filled at a position located at earth potential, which serves as a loading station, into a cartridge. The paint is then pneumatically transported through an at least partially electrically insulating pipe system to the at least one paint application device (4) and is connected to a spray nozzle (41) mounted therein. The cartridge (7), which is completely or partially emptied after painting, is transported back pneumatically to the position at earth potential. During this step at least one further cartridge (7) is filled. After reception of the completely or partially emptied cartridge (7) another cartridge (7) is transported to the at least one paint application station (4).

IPC 1-7

B05B 5/16

IPC 8 full level

B05D 3/00 (2006.01); **B05B 5/16** (2006.01); **B05B 12/14** (2006.01); **B05C 11/10** (2006.01); **B05C 11/11** (2006.01)

CPC (source: EP US)

B05B 5/1633 (2013.01 - EP US); **B05B 12/1463** (2013.01 - EP US); **B05B 12/1481** (2013.01 - EP US)

Citation (search report)

See references of WO 0114068A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19940542 A1 20010301; EP 1124645 A1 20010822; JP 2003507182 A 20030225; US 2001047755 A1 20011206; WO 0114068 A1 20010301

DOCDB simple family (application)

DE 19940542 A 19990826; EP 0008255 W 20000824; EP 00982738 A 20000824; JP 2001518197 A 20000824; US 84351501 A 20010426