

Title (en)
PLANT FOR COATING OBJECTS WITH FREQUENTLY CHANGING COLOURS

Title (de)
BESCHICHTUNGSANLAGE ZUM BESCHICHTEN VON GEGENSTÄNDEN MIT HÄUFIG WECHSELNDEM FARBMATERIAL

Title (fr)
INSTALLATION DE REVETEMENT POUR RECOUVRIR DES OBJETS D'UN MATERIAU COLORANT, A CHANGEMENT FREQUENT DE MATERIAUX COLORANTS

Publication
EP 0895485 A1 19990210 (DE)

Application
EP 97921746 A 19970424

Priority
• DE 19616668 A 19960426
• EP 9702102 W 19970424

Abstract (en)
[origin: DE19616668A1] A plant is disclosed for coating objects (6), in particular car bodies, with frequently changing colours (19). A cartridge sorting and storing rack (5) is disclosed in which a plurality of colour cartridges (12, 13, 18) with similar and different colours are stored at certain locations in the rack. These colour cartridges (12, 13) are fetched by means of a controller out of the cartridge sorting and storage rack, depending on the colour nuance desired for the object being painted, and supplied to conveyor means. The conveyor means preferably consists of a ring-shaped, tubular system in which full cartridges (13) are conveyed to a docking station (8) and applicator and back, as in a pneumatic tube conveyor. Unlike conventional ring-shaped conveyor systems with colour exchange valves, this system allows almost any number of colour nuances to be made available with a relatively low constructive outlay of the applicator (9). The costly cleaning of the cartridge transport paths when changing colours may be dispensed with.

IPC 1-7
B05B 12/14

IPC 8 full level
B05B 7/02 (2006.01); **B05B 12/02** (2006.01); **B05B 12/14** (2006.01); **B07C 5/342** (2006.01); **B65G 1/06** (2006.01); **B65G 51/04** (2006.01); **B65G 1/137** (2006.01)

CPC (source: EP)
B05B 12/1463 (2013.01)

Citation (search report)
See references of WO 9740946A1

Cited by
CN107803348A; IT201900023613A1; US11857988B2; WO2021116951A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
DE 19616668 A1 19971106; DE 59710228 D1 20030710; EP 0895485 A1 19990210; EP 0895485 B1 20030604; ES 2195140 T3 20031201; WO 9740946 A1 19971106

DOCDB simple family (application)
DE 19616668 A 19960426; DE 59710228 T 19970424; EP 9702102 W 19970424; EP 97921746 A 19970424; ES 97921746 T 19970424