

Title (en)
Colour changer with reversible direction of paint flow

Title (de)
Farbwechsler mit umkehrbarer Lackflussrichtung

Title (fr)
Dispositif de changement de teinte avec sens de circulation de vernis réversible

Publication
EP 0865830 B2 20090916 (DE)

Application
EP 98104412 A 19980311

Priority
DE 19709988 A 19970311

Abstract (en)
[origin: EP0865830A2] The arrangement includes different colours which are provided in circular arranged colour conductors and which are respectively associated with a colour. The arrangement comprises a spray-gun (10), and a colour supply conductor (8) which provides a connection between the colour conductors and the spray-gun. A shifting body (40) is provided for cleaning the colour supply conductor in direction of the flow of the varnishing medium. A supply arrangement (20) for a flowing medium under pressure is provided at the end of the colour supply conductor facing the spray-gun. The colour located in the colour supply conductor can be fed back against the flow of the varnishing medium. The flexible shifting body can be moved against the flow of the varnishing medium for supporting the feedback of the colour in the colour supply conductor, and is moved again towards the spray-gun for a rinsing of the colour supply conductor.

IPC 8 full level
B05B 12/14 (2006.01); **B05B 15/02** (2006.01); **B05B 15/55** (2018.01); **B08B 9/04** (2006.01); **C07K 1/36** (2006.01)

CPC (source: EP)
B05B 12/14 (2013.01); **B05B 15/55** (2018.01); **B08B 9/055** (2013.01); **B05B 12/149** (2013.01)

Citation (opposition)
Opponent :

- DE 9110650 U1 19911024
- DE 4035435 C1 19920319
- US 2258174 A 19411007 - RUPERT CHAWNER WILLIAM
- ING. H.-D. KLUDUS: "Möglichkeiten und Grenzen der Molchtechnik", CHEMIE-TECHNIK, May 1995 (1995-05-01), HEIDELBERG

Cited by
WO0187496A1; EP0935999A1; FR2808709A1; DE19817377A1; DE19817377B4; WO2005092527A1; EP2323836A2

Designated contracting state (EPC)
BE DE ES FR GB IT NL

DOCDB simple family (publication)
EP 0865830 A2 19980923; EP 0865830 A3 20020130; EP 0865830 B1 20050608; EP 0865830 B2 20090916; DE 19709988 A1 19981001;
DE 19709988 C2 20020124; DE 59812844 D1 20050714; ES 2242988 T3 20051116; ES 2242988 T5 20091214

DOCDB simple family (application)
EP 98104412 A 19980311; DE 19709988 A 19970311; DE 59812844 T 19980311; ES 98104412 T 19980311