Title (en)

VERTICAL DRAWING CURTAIN COATING METHOD AND APPARATUS

Publication

EP 0197493 A3 19870930 (EN)

Application

EP 86104449 A 19860401

Priority

CN 85100851 A 19850401

Abstract (en)

[origin: EP0197493A2] This invention develops a new kind of vertical drawing curtain coating method and apparatus, which contains three main parts: a higher uniform equal-flow distributing coater, a vertical drawing short-curtain, a parallel rotated coating roller and moving webs. This coating method can simultaneously coat one or more than one layer with high uniformity, and is suitable for silver salt or non-silver salt photo-sensitive materials production. It can use a liqud viscosity from 2 to 1,000 mPas at a coating velocity 30 to 300 mm/in to get a coating weight from 20 to 240 ml/m<2>; and can avoid coating defects such as those usually found in the bead coating and vertical free-falling curtain coating methods.

IPC 1-7

G03C 1/74

IPC 8 full level

B05C 5/00 (2006.01); **G03C 1/74** (2006.01); B05C 9/06 (2006.01)

CPC (source: EP)

B05C 5/005 (2013.01); **B05C 5/007** (2013.01); **B05C 5/008** (2013.01); **G03C 1/74** (2013.01); B05C 9/06 (2013.01); G03C 2001/7433 (2013.01); G03C 2001/747 (2013.01); G03C 2001/7474 (2013.01); G03C 2001/7485 (2013.01)

Citation (search report)

- [AD] US 4287240 A 19810901 - O'CONNOR THOMAS R
- [A] US 3082144 A 19630319 - CRESSWELL HALEY FLOYD
- [AD] EP 0031301 A1 19810701 - CIBA GEIGY AG [CH]
- [XP] EP 0168986 A2 19860122 - DU PONT [US]

Cited by

EP0384669A3; US5882732A; JPH0522065U; EP2156898A1; EP0717312A1; US5529892A; WO2022053548A1; US9903050B2; WO9221063A1; WO2014074565A1; WO9623599A1; WO9211571A1; WO9211572A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0197493 A2 19861015; **EP 0197493 A3 19870930**; CN 85100851 A 19851010; CN 85100851 B 19880330; JP S61292140 A 19861222

DOCDB simple family (application)

EP 86104449 A 19860401; CN 85100851 A 19850401; JP 7536586 A 19860401