Title (en)
  Continuous coater.

Title (de)
  Durchlaufspritzanlage.

Title (fr)
  Installation de revêtement en continu.

Publication
  **EP 0032810 A1 19810729 (EN)**

Application
  **EP 81300151 A 19810114**

Priority
  US 11166680 A 19800114

Abstract (en)
  A continuous coater of the type having a conveyor extending through a coating booth (11) where paint or other material is sprayed onto the products as they are conveyed through the booth. The booth (11) has an air flow control vestibule (12, 13) located adjacent the entrance and exit ports. Each vestibule (12, 13) is connected to an air flow exhaust system (15, 16) and is so configured that it is operative to draw air (65) almost exclusively from outside the booth into the exhaust system so that there is a minimum of input air to the exhaust system from within the booth. The incoming air from outside the booth effectively forms a flow barrier to the egress of sprayed material and/or solvent to the atmosphere through the vestibul entrance and exit ports. Preferably, there is located in each vestibule means for creating an air curtain (108) which functions to minimize the egress of paint or solvent from the coater cabinet and to provide a more nearly saturated atmosphere inside the cabinet.

IPC 1-7
  **B05B 15/04**; B05C 15/00

IPC 8 full level
  **B05B 12/18** (2018.01); **B05B 15/04** (2006.01); **B05B 15/12** (2006.01); **B05B 16/00** (2018.01); **B05B 16/60** (2018.01); **B05D 1/02** (2006.01)

CPC (source: EP)
  **B05B 12/18** (2018.01); **B05B 16/60** (2018.01); **B05B 16/90** (2018.01)

Cited by
  EP1162002A3; CN110792043A; CN113414039A; DE8712350U1; CN110918301A; EP0086088A3; JPS58146467A; DE19645261A1; EP0220055A3; EP0060375A3

Designated contracting state (EPC)
  DE FR GB

DOCDB simple family (publication)
  **EP 0032810 A1 19810729**; **EP 0032810 B1 19860102**; CA 1162732 A 19840228; DE 3173335 D1 19860213; JP S56108563 A 19810828; JP S6362265 B2 19881201

DOCDB simple family (application)
  **EP 81300151 A 19810114**; CA 367111 A 19801218; DE 3173335 T 19810114; JP 456981 A 19810114