

Title (en)  
DF COATER HEAD

Title (de)  
DF-BESCHICHTERKOPF

Title (fr)  
TÊTE DE COUCHEUSE À FONTAINE DIRECTE

Publication  
**EP 2583760 A4 20171220 (DE)**

Application  
**EP 10851736 A 20100518**

Priority  
JP 2010058361 W 20100518

Abstract (en)  
[origin: WO2011145172A1] Provided is a DF (Direct Fountain) coater head (1) which includes a plurality of chambers (23), into which a paint (W) is supplied, and feeds the respective paint (W) from these chambers (23) through a nozzle section (33) to form the fed paint (W) in the shape of curtain film (T). The DF coater head (1) has individual DF coater head sections (2, 3, 4) formed in a multi-layered structure, each head section (2, 3, 4) including the chamber (23) and the nozzle section (33), and is configured such that the gap of the nozzle section (33) can be adjusted for each DF coater head section (2, 3, 4). This configuration allows for adjusting the profile of the curtain film (T) for each DF coater head section (2, 3, 4).

IPC 8 full level  
**B05C 5/00** (2006.01); **B05C 5/02** (2006.01); **D21H 23/48** (2006.01)

CPC (source: EP)  
**B05C 5/008** (2013.01); **D21H 23/48** (2013.01)

Citation (search report)

- [X] DE 102007000782 A1 20090402 - VOITH PATENT GMBH [DE]
- [A] WO 03053655 A1 20030703 - 3M INNOVATIVE PROPERTIES CO [US]
- [A] WO 2009115550 A1 20090924 - POLYTYPE CONVERTING S A [CH], et al
- [A] JP 2961027 B2 19991012
- [A] EP 2111925 A1 20091028 - VOITH PATENT GMBH [DE]
- See also references of WO 2011145172A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2583760 A1 20130424; EP 2583760 A4 20171220; EP 2583760 B1 20240710; FI 2583760 T3 20241014; JP WO2011145172 A1 20130722; WO 2011145172 A1 20111124**

DOCDB simple family (application)  
**EP 10851736 A 20100518; FI 10851736 T 20100518; JP 2010058361 W 20100518; JP 2012515661 A 20100518**