

Title (en)  
Curtain application device

Title (de)  
Vorhang-Auftragswerk

Title (fr)  
Unité d'application de rideau

Publication  
**EP 2284315 B1 20120104 (DE)**

Application  
**EP 10007598 A 20100722**

Priority  
DE 102009036853 A 20090810

Abstract (en)  
[origin: CA2710460A1] Curtain coater for discharging coating medium in the form of a curtain moving substantially under the force of gravity onto a moving paper or board web, comprising a hopper, which has a first cavity extending along a discharge width, to which the coating medium is fed via at least one feed line, and a metering channel which discharges the coating medium via an outlet slot as a curtain, wherein the metering channel (2) is broken down into a large number of individual guide channels which, on the inlet side and along the discharge width, adjoin the first cavity (1) with pipe sections (2.1) spaced apart from one another, it being possible for the lengths and opening widths of the pipe sections (2.1) to be chosen in order to even out the flow resistance along the discharge width, and, in the flow direction (S), the pipe sections (2.1) in each case changing into a diffuser (2.2) for the sectional flows from the guide channels to be led together on the outlet side.

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

CPC (source: EP US)  
**B05C 5/0254** (2013.01 - EP US); **B05C 11/1002** (2013.01 - EP US)

Cited by  
DE102011118053A1; DE102013219628B4

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)  
**DE 102009036853 B3 20101111**; AT E540164 T1 20120115; BR PI1002922 A2 20120529; CA 2710460 A1 20110210; CN 101992173 A 20110330; EP 2284315 A1 20110216; EP 2284315 B1 20120104; JP 2011036856 A 20110224; KR 20110016404 A 20110217; PL 2284315 T3 20120629; RU 2010133431 A 20120220; US 2011030613 A1 20110210; ZA 201005687 B 20110428

DOCDB simple family (application)  
**DE 102009036853 A 20090810**; AT 10007598 T 20100722; BR PI1002922 A 20100809; CA 2710460 A 20100720; CN 201010245979 A 20100803; EP 10007598 A 20100722; JP 2010179780 A 20100810; KR 20100076243 A 20100809; PL 10007598 T 20100722; RU 2010133431 A 20100809; US 85198410 A 20100806; ZA 201005687 A 20100810