

Title (en)

APPARATUS FOR REGULATING THE APPLICATION WIDTH OF A SLIDE-FED CURTAIN COATER

Title (de)

VORRICHTUNG ZUM REGELN DER APPLIZIERUNG EINES ÜBER EINE GLEITFLÄCHE VERSORGTE VORHANGBESCHICHTERS

Title (fr)

APPAREIL POUR REGULER LA LARGEUR D'APPLICATION D'UNE COUCHEUSE A NAPPE A ALIMENTATION PAR COULISSE

Publication

**EP 1841918 A4 20100324 (EN)**

Application

**EP 05813215 A 20051202**

Priority

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- FI 20055041 A 20050127

Abstract (en)

[origin: WO2006079678A1] The invention relates to an apparatus for regulating the application width of a slide-fed curtain coater, said curtain coater having at least one nozzle slot (30), which opens (31) onto a flow plane, the leading edge of said flow plane providing a feeding lip (33). The apparatus comprises a laterally movable regulating mechanism (40), which is disposed in the vicinity of both edges of the flow plane and which has a blade element (42) defining the lateral extent of a coating color (1) flowing from the nozzle slot (31), and a return flow guide element (41, 50) for deflecting the flow of coating color emerging from a portion of the nozzle slot extending beyond the application width defined by the blade element (42) back to machine circulation or for disposal.

IPC 8 full level

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CPC (source: EP)

**B05C 5/008** (2013.01); **B05C 11/1039** (2013.01); **D21H 23/48** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2006079678A1

Cited by

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