

Title (en)
MULTIPLE LAYER AND SLIDE DIE COATING METHOD AND APPARATUS

Title (de)
VORRICHTUNG UND VERFAHREN ZUR MEHRSCICHTIGEN BESCHICHTIGUNG UND ZUR WULSTBESCHICHTUNG

Title (fr)
PROCEDE ET APPAREIL D'ENDUCTION A FILIERE GLISSANTE PAR COUCHES MULTIPLES

Publication
EP 0757596 B1 20080514 (EN)

Application
EP 95914034 A 19950316

Priority

- US 9503177 W 19950316
- US 23656994 A 19940429
- US 23662594 A 19940429

Abstract (en)
[origin: WO9529763A1] A die coating method and apparatus includes a die (100, 150, 220) having an upstream bar (104, 154, 226) with an upstream lip, a central bar, a downstream bar (108, 158, 232) with a downstream lip, and a vacuum bar (110, 160, 224). The upstream lip is formed as a land and the first manifold bar is formed as a sharp edge. The shape of the land conforms to the shape of the surface being coated. Changing at least one of the slot heights H, the overbites O, and the convergence C can improve coating performance. The die can have a slide surface (236, 244) and the coating fluid can exit the die from a passageway and slides along the slide surface to form a continuous coating bead between the manifold bar sharp edge, the upstream die lip, and the surface being coated. The die can include several passageways for coating multiple layers.

IPC 8 full level
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WO 9529763 A1 19951109; BR 9507569 A 19970805; CA 2187881 A1 19951109; CN 1079704 C 20020227; CN 1147217 A 19970409; CN 1184015 C 20050112; CN 1308993 A 20010822; DE 69535753 D1 20080626; EP 0757596 A1 19970212; EP 0757596 B1 20080514; JP 3777404 B2 20060524; JP H09511681 A 19971125; KR 100359958 B1 20021218; MX 9605129 A 19970830; TW 298113 U 19970211

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