

Title (en)

Combined water inlet and bendback flag for wire edge guides of curtain coating apparatus

Title (de)

Kombiniertes Wasserzulauf- und Krümmungs-Element für die Führungsdrähte einer Vorrichtung zur Vorhangbeschichtung

Title (fr)

Arrivée d'eau et élément d'inflexion combinés pour les fils de guidage latéraux d'un dispositif d'enduction par rideau

Publication

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Application

EP 98203158 A 19980921

Priority

US 6066897 P 19971002

Abstract (en)

A water inlet body (12) for use with a curtain coating apparatus. The water inlet body (12) is integrally formed with a bendback flag (76) of predetermined width and following a predetermined generally curved path. The water inlet body (12) is adapted to be interchangeably mounted to the supporting strut which forms part of the curtain coating apparatus. This allows the water inlet body (12) to be easily changed depending on the specific coating solution and coating apparatus operating parameters. In such manner, not only can the bendback trajectory be closely matched for a variety of solutions and coating parameters but the width of the bendback (76) flag can be matched to the thickness of the coating solution thereby obviating the thinning problems created by the wider bendback flags. Exchange of water inlet bodies can be accomplished without disturbing the wire edge guides. There is a water conduit path through the water inlet body through which water is delivered to a channel in the surface of the water inlet body. The channel is angled toward the curtain-side surface of the water inlet body (12) from which the bend back flag projects. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

B05C 5/008 (2013.01)

Citation (applicant)

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