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# (54) Combined water inlet and bendback flag for wire edge guides of curtain coating apparatus

(57) 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.

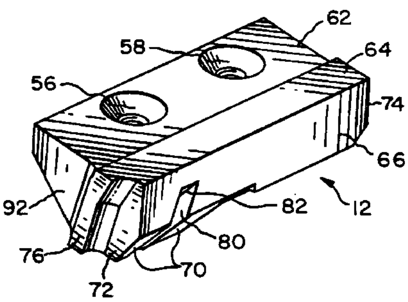

FIG. 4

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# EUROPEAN SEARCH REPORT

Application Number
EP 98 20 3158

## DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.6) |
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TECHNICAL FIELDS SEARCHED (Int.Cl.6)
G03C
B05C

The present search report has been drawn up for all claims

| Place of search | Date of completion of the search | Examiner |
|---|---|---|
| THE HAGUE | 3 March 2000 | Magrizos, S |

CATEGORY OF CITED DOCUMENTS

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