

Title (en)  
METHOD OF AND APPARATUS FOR COATING OBJECTS, AND THEIR USE

Publication  
**EP 0170827 B1 19891227 (DE)**

Application  
**EP 85107222 A 19850612**

Priority  
CH 342184 A 19840713

Abstract (en)  
[origin: US4826704A] In order to increase the efficiency of a coating process wherein a coating medium such as, for example, powders directed from a coating medium pressure line toward a workpiece to be coated, with the coating process also including an applied electrostatic field, a coating medium which does not adhere to the workpiece is drawn off by way of a suction channel. A flow of the emerging coating medium is bent toward the workpiece that is to be coated by providing a carrier surface profile area between an outlet of the coating medium and a suction channel. By this arrangement a flow velocity gradient between the workpiece to be coated and the profile area is realized with the resulting pressure gradient from the profiled area toward the workpiece.

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**B05B 5/08; B05B 13/06; B05C 7/02; B05D 1/02**

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