

Title (en)
METHOD AND SYSTEM FOR DETERMINING THE THICKNESS OF A LAYER OF LACQUER

Title (de)
VERFAHREN UND ANLAGE ZUR BESTIMMUNG DER DICKE EINER LACKSCHICHT

Title (fr)
PROCEDE ET DISPOSITIF POUR DETERMINER L'EPAISSEUR D'UNE COUCHE DE PEINTURE

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Abstract (en)
[origin: WO2005073436A1] The invention relates to electrophoretic immersion lacquering of objects, e.g. the bodies of automotive vehicles (28), wherein the object which is to be lacquered (28) is immersed into lacquer immersion basin (12) containing a lacquer fluid (14). An electric field is produced by the object (28) in its capacity as an electrode with at least one counter electrode (16, 18). In order to determine the thickness of the lacquer layer applied in said manner, the electric charge flowing through the object (28) during the immersion lacquering process and the surface of the object (28) exposed to the lacquer fluid are determined in order to determine the thickness of the lacquer layer therefrom. The thickness of the lacquer coating can thus be determined during the immersion lacquering process, resulting in fewer rejects.

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