

Title (en)
COATING METHOD AND COATING SYSTEM HAVING DYNAMIC ADAPTATION OF THE ATOMIZER ROTATIONAL SPEED AND THE HIGH VOLTAGE

Title (de)
BESCHICHTUNGSVERFAHREN UND BESCHICHTUNGSANLAGE MIT DYNAMISCHER ANPASSUNG DER ZERSTÄUBERDREHZAHL UND DER HOCHSPANNUNG

Title (fr)
DISPOSITIF DE REVÊTEMENT ET INSTALLATION DE REVÊTEMENT AVEC ADAPTATION DYNAMIQUE DE LA VITESSE DU PULVÉRISATEUR ET DE LA HAUTE TENSION

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Abstract (en)
[origin: WO2011054496A1] The invention relates to a coating method and a coating system for coating the component surface of a component with a coating agent by means of an atomizer (4) in a coating system, in particular for painting a body part of a motor vehicle with paint, comprising the following steps: moving the atomizer (4) over the component surface of the component to be coated, or moving the component in the spray jet, thereby applying the coating agent to the component surface by means of the atomizer (4). The atomizer (4) is operated with at least one electrical and/or kinematic operating variable (U, Q+, Q-), comprising a certain high voltage (U) for the electrostatic charging of the coating agent and/or a certain rotational speed of a rotating spray element of the atomizer (4). According to the invention, the electrical and/or kinematic operating variable (U, Q+, Q-) of the atomizer (4) is dynamically varied during the movement of the atomizer (4).

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