

Title (en)  
PROCESS FOR PRODUCING AND REPAIRING MULTI-COAT EFFECT PAINTING

Title (de)  
VERFAHREN ZUR HERSTELLUNG UND AUSBESSERUNG VON MEHRSCHICHTIGEN EFFEKTLACKIERUNGEN

Title (fr)  
PROCEDE DE PRODUCTION ET DE REFECTION DE PEINTURES MULTICOUCHE PERMETTANT D'OBTENIR DES EFFETS MULTICOLORES

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Application  
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Abstract (en)  
[origin: US5820986A] PCT No. PCT/EP95/02749 Sec. 371 Date Feb. 18, 1997 Sec. 102(e) Date Feb. 18, 1997 PCT Filed Jul. 13, 1995 PCT Pub. No. WO96/03221 PCT Pub. Date Feb. 8, 1996The invention relates to a method for the production and repair of multicoat special-effect coatings, in which the basecoat is produced exclusively by electrostatic spraying, a coating material with a specific rheological behavior is employed as the basecoat and the repair is carried out with the aid of a spray application process in which a spray jet is produced which is distinguished in that at most 40% of the coating droplets passing a measurement point which lies at the center of the spray jet and 300 mm away from the nozzle have a diameter which is less than 20  $\mu\text{m}$  and at least 5% of the coating droplets have a diameter which is greater than 60  $\mu\text{m}$ , at least 20% of the coating droplets passing the measurement point have a speed which is less than 6 m/s and at most 30% of the coating droplets have a speed of more than 10 m/s, and the coating droplets have a momentum which is equal to at least  $4 \times 10^{-5} \text{ g cm s}^{-1}$ , the diameter and the speed having been determined with the aid of the Doppler phase anemometry method.

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