

Title (en)

SYSTEM FOR TEMPERING VEHICLE BODIES

Title (de)

VORRICHTUNG ZUM TEMPERIEREN VON FAHRZEUGKAROSSERIEN

Title (fr)

DISPOSITIF POUR RÉGULER LA TEMPÉRATURE DE CARROSSERIES DE VÉHICULE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2012113507A1] The invention relates to a system (1) for tempering vehicle bodies, in particular for drying coated vehicle bodies (9), comprising in a known manner a housing (2), a tempering tunnel (7) accommodated in the housing (2), at least one pressure chamber (5, 6) accommodated in a housing (2) and separated by a wall (3, 4) from the tempering tunnel (7), a plurality of nozzles (10, 11) in the wall (3, 4) and an air tempering unit which introduces tempered air into the pressure chamber (5, 6) in such a way that said tempered air can flow in through the nozzles (10, 11) into the tempering tunnel (7) and can act on the vehicle body (9) located there. At least one nozzle unit (14, 15) is oriented and has a range that is wide enough, such that the air stream exiting said nozzle unit can pass through an opening in the vehicle body (9) on the side facing the nozzle unit (14, 15) and can act on an inner face of the vehicle body (9) on the opposite side. By means of the system according to the invention the tempering of a vehicle body (9) is achieved considerably more quickly than in the prior art and with a lower energy consumption, since the components of the vehicle body (9) which are to be tempered are acted upon by tempered air from opposite sides.

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