

Title (en)
DEVICE FOR CONTROLLING THE TEMPERATURE OF OBJECTS

Title (de)
VORRICHTUNG ZUM TEMPERIEREN VON GEGENSTÄNDEN

Title (fr)
DISPOSITIF DE MISE EN TEMPÉRATURE D'OBJETS

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Application
EP 12797692 A 20121110

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Abstract (en)
[origin: WO2013075793A1] The invention relates to a device for controlling the temperature of objects, in particular for drying coated vehicle bodies. A temperature-controlling tunnel (14) is accommodated in a housing (12) and defines at least one tunnel portion (T), which comprises at least one air outlet (30) and at least one air inlet (42). The tunnel portion (T) is paired with a heater assembly (20) in which a hot primary gas can be generated by means of a burner unit (44). The hot primary gas can be conducted into a heat exchanger (38) of the heater assembly (20), and tunnel air can be heated in the heat exchanger by means of the hot primary gas and fed back to the tunnel portion (T) via the at least one air inlet (42) in a circuit as a circulating air flow. A burner supply device (40, 46) is provided by means of which exhaust air from the tunnel portion (T) can be fed to the burner unit (44) of the heater assembly (20) as a burner air flow in order to generate the primary gas.

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