

Title (en)
DEVICE FOR DRYING ARTICLES

Title (de)
VORRICHTUNG ZUM TROCKNEN VON GEGENSTÄNDEN

Title (fr)
DISPOSITIF DE SÉCHAGE D'OBJETS

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Application
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Abstract (en)
[origin: WO2011091992A1] The invention relates to a device for drying articles, in particular vehicle bodies, comprising a drying tunnel (14), which is arranged in an insulating housing (12), and a plurality of tunnel sections (16.1, 16.2, ..., 16.n), each of which has at least one air outlet (22) and at least one air inlet (24). Assigned to each tunnel section (16.1, 16.2, ..., 16.n) is a heating unit (26), to which air from the at least one air outlet (22) of the tunnel section (16.1, 16.2, ..., 16.n) can be supplied, and in which a hot primary gas flow can be generated. The hot primary gas can be directed into a circulating air heat exchanger (54) of the heating unit (26), in which circulating air can be heated by hot primary gas and can be supplied to the tunnel section (16.1, 16.2, ..., 16.n) again in a circulation via the at least one air inlet (24). The heating unit (26) comprises a distributor system (32), by means of which the air emerging from a tunnel section (16.1, 16.2, ..., 16.n) can be divided into a circulating air flow and an exhaust air flow. In addition, the heating unit (26) comprises a thermal afterburning facility (42), to which exhaust air can be supplied and by means of which the hot primary gas flow can be generated.

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