

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

Publication  
**EP 2783177 A1 20141001 (DE)**

Application  
**EP 12797692 A 20121110**

Priority  
• DE 102011119436 A 20111125  
• EP 2012004677 W 20121110

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.

IPC 8 full level  
**F26B 23/02** (2006.01); **F23C 9/00** (2006.01); **F23D 14/24** (2006.01); **F23G 7/06** (2006.01)

CPC (source: EP RU US)  
**F23C 9/006** (2013.01 - EP US); **F23D 14/24** (2013.01 - EP US); **F23G 7/066** (2013.01 - EP US); **F26B 15/10** (2013.01 - US);  
**F26B 23/02** (2013.01 - US); **F26B 23/022** (2013.01 - EP US); **F23C 9/00** (2013.01 - RU); **F26B 21/04** (2013.01 - RU); **F26B 23/022** (2013.01 - RU);  
**F26B 2210/12** (2013.01 - EP US)

Citation (search report)  
See references of WO 2013075793A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102011119436 A1 20130529**; **DE 102011119436 B4 20200806**; BR 112014010098 A2 20170613; BR 112014010098 A8 20170620;  
BR 112014010098 A8 20171010; CN 103946655 A 20140723; CN 103946655 B 20160601; EP 2783177 A1 20141001;  
EP 2783177 B1 20170920; RU 2014119420 A 20151120; RU 2641869 C2 20180122; US 2014352169 A1 20141204; US 9410741 B2 20160809;  
WO 2013075793 A1 20130530

DOCDB simple family (application)  
**DE 102011119436 A 20111125**; BR 112014010098 A 20121110; CN 201280057491 A 20121110; EP 12797692 A 20121110;  
EP 2012004677 W 20121110; RU 2014119420 A 20121110; US 201214360331 A 20121110