

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 3704428 A1 20200909 (DE)

Application
EP 17811567 A 20171207

Priority
• DE 102016125060 A 20161221
• EP 2017081919 W 20171207

Abstract (en)
[origin: WO2018114375A1] What is presented is a device for controlling the temperature of, and in particular for drying, objects (12), in particular vehicle bodies (16), having a housing (22) which integrates a temperature-control chamber (18) that comprises at least one air outlet (68) and at least one air inlet (76). The temperature-control chamber (18) is assigned at least one heating unit (72) in which it is possible to generate a hot primary gas flow (92) and to which it is possible to supply, from the air outlet (68), air (90) that is to be heated. The heating unit (72) comprises a heat exchanger device (94) into which the hot primary gas (92) can be guided and in which it is possible to heat air (90) from the temperature-control chamber (18) using hot primary gas (92), which air can be supplied, as heated recirculation air, in a circuit via the at least one air inlet (76) back to the temperature-control chamber (18). The heating unit (72) comprises at least a first and a second flow outlet (106, 108) via which heated recirculation air leaves the heating unit.

IPC 8 full level
F26B 3/04 (2006.01); **B05D 3/04** (2006.01); **F26B 15/14** (2006.01); **F26B 21/02** (2006.01); **F26B 21/04** (2006.01); **F26B 21/10** (2006.01); **F26B 21/12** (2006.01); **F26B 23/00** (2006.01); **F26B 23/02** (2006.01)

CPC (source: EP US)
F26B 3/04 (2013.01 - EP US); **F26B 15/14** (2013.01 - EP US); **F26B 21/04** (2013.01 - EP US); **F26B 21/10** (2013.01 - EP US); **F26B 21/12** (2013.01 - EP US); **F26B 23/002** (2013.01 - EP US); **F26B 23/02** (2013.01 - EP US); **B05D 3/0413** (2013.01 - EP); **F26B 2210/12** (2013.01 - EP US); **Y02P 70/10** (2015.11 - EP)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102016125060 A1 20180621; **DE 102016125060 B4 20230216**; CN 110088548 A 20190802; CN 110088548 B 20211221; EP 3704428 A1 20200909; US 11525631 B2 20221213; US 2019316842 A1 20191017; WO 2018114375 A1 20180628

DOCDB simple family (application)
DE 102016125060 A 20161221; CN 201780078962 A 20171207; EP 17811567 A 20171207; EP 2017081919 W 20171207; US 201716471642 A 20171207