

Title (en)
OVEN WITH SENSOR DEVICE AND FAN

Title (de)
BACKOFEN MIT SENSOREINRICHTUNG UND LÜFTER

Title (fr)
FOUR AVEC CAPTEUR ET VENTILATEUR

Publication
EP 3714210 B1 20220119 (DE)

Application
EP 18800900 A 20181108

Priority
• DE 102017220886 A 20171122
• EP 2018080544 W 20181108

Abstract (en)
[origin: WO2019101529A1] An oven (1) has an oven compartment (3) which surrounds a cooking chamber (4), an outer housing (28), a sensor device (2) which is directed into the cooking chamber and which is arranged in an interior space between the oven compartment (3) and the outer housing, and at least one sensor fan (20) for aerating the sensor device with cooling air (S1), wherein the sensor device has a tubular sensor housing (17) which is open at an end side and in which at least one sensor element (7) is accommodated and the front end side of which is directed toward the cooking chamber, the sensor device has at least one transparent screen (8-10) arranged between the sensor element and the cooking chamber, a rear end side (21) of the sensor housing serves as an air inlet opening for cooling air (S1), a pressure side of the sensor fan is connected to the rear end side, the sensor housing has a lateral air outlet opening (22) for the cooling air, and a suction side of the sensor fan is connected to a chamber (A) which is separated from the chamber of the sensor device. The oven is in particular an oven with pyrolysis capability.

IPC 8 full level
F24C 7/08 (2006.01); **F24C 14/02** (2006.01); **F24C 15/00** (2006.01)

CPC (source: EP)
F24C 7/085 (2013.01); **F24C 14/02** (2013.01); **F24C 15/006** (2013.01)

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 102017220886 A1 20190523; CN 111344520 A 20200626; CN 111344520 B 20220527; EP 3714210 A1 20200930;
EP 3714210 B1 20220119; PL 3714210 T3 20220419; WO 2019101529 A1 20190531

DOCDB simple family (application)
DE 102017220886 A 20171122; CN 201880075403 A 20181108; EP 18800900 A 20181108; EP 2018080544 W 20181108;
PL 18800900 T 20181108