

Title (en)
OVEN WITH INFRARED SENSOR

Title (de)
OFEN MIT EINEM INFRAROTSENSOR

Title (fr)
FOUR AVEC CAPTEUR INFRAROUGE

Publication
EP 2798272 B1 20170308 (EN)

Application
EP 12808270 A 20121126

Priority
• TR 201112941 A 20111226
• EP 2012073567 W 20121126

Abstract (en)
[origin: WO2013098003A1] The present invention relates to an oven (1) comprising an exterior body (2), a cooking cavity (3) wherein the cooking process is performed, a control unit (4), a door (5), an outer panel (6) forming the outer surface of the door (5) facing the user and produced from glass, an inner panel (7) having an air gap between the outer panel (6) and itself, forming the inner surface of the door (5) facing the cooking cavity (3), a front panel (8) located at the upper side of the door (5) and that protects the control unit (4), a fan (10) and an infrared sensor (13) that detects the infrared rays emitted from the foodstuff being cooked in the cooking cavity (3) to determine the outer surface temperature thereof and that has a converging lens (11) and a thermopile array (12). An opening is located at the upper side of the door and the infrared sensor is placed to the front panel with its lens facing the opening.

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F24C 7/085 (2013.01); **F24C 15/006** (2013.01); **F24C 15/02** (2013.01)

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• JP H0233526 A 19900202 - HITACHI HEATING APPL
• US 2011174978 A1 20110721 - FORG BODO [DE], et al

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