

Title (en)

A cooking oven including an apparatus for detecting the three-dimensional shape of food stuff on a food stuff carrier

Title (de)

Kochofen mit einer Vorrichtung zur Detektion der dreidimensionalen Form von Lebensmitteln auf einem Lebensmittelträger

Title (fr)

Four de cuisson incluant un appareil permettant de détecter la forme tridimensionnelle d'aliment sur un support d'aliments

Publication

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Application

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Priority

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Abstract (en)

The present invention relates to a cooking oven including an apparatus for detecting the three-dimensional shape of food stuff on a baking tray (18) of said cooking oven. The apparatus includes at least one laser (24) arranged or arrangeable above an oven cavity (10) of the cooking oven. A laser beam (26) from the laser (24) is directional downwardly. The apparatus includes at least one camera (20) arranged or arrangeable above a baking tray (18) of the cooking oven. The camera (20) is arranged or arrangeable in a front portion of the cooking oven. The baking tray (18) and the camera (20) are mechanically coupled, so that the camera (20) and the baking tray (18) are synchronously moveable. An upper side of the baking tray (18) is within a field of vision (22) of the camera (20). An angle between a central axis (28) of a field of vision (22) of the camera (20) and the laser beam (26) is predetermined. Further, the present invention relates to the apparatus for detecting the three-dimensional shape of food stuff on a baking tray (18) of said cooking oven.

IPC 8 full level

F24C 7/08 (2006.01)

CPC (source: EP)

F24C 7/085 (2013.01); **F24C 15/162** (2013.01)

Citation (applicant)

- WO 2010012340 A1 20100204 - ELECTROLUX HOME PROD CORP [BE], et al
- CN 101059338 A 20071024 - ZHAO YUE [CN]
- JP 2001099615 A 20010413 - NIPPON CRUCIBLE CO

Citation (search report)

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- [IJ] DE 102006005874 A1 20061116 - HGV VOSSELER GMBH & CO KG [DE]
- [Y] DE 202007007450 U1 20070802 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

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