

Title (en)
OVEN AND OVEN TRAY FOR SMOKING OR AROMATIC VAPOUR TREATMENT APPLICATIONS

Title (de)
OFEN UND OFENBLECH ZUM RÄUCHERN ODER FÜR AROMADAMPFBEHANDLUNGSANWENDUNGEN

Title (fr)
PLATEAU DE FOUR ET FOUR POUR FUMER OU APPLICATIONS DE TRAITEMENT DE VAPEUR AROMATIQUE

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Application
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Abstract (en)
The invention relates to an oven for preparing food (60), the oven comprising: an oven chamber for receiving food to be prepared; an oven heater element or steam generator permanently mounted in or at the oven for supplying heat to the interior of the chamber; a guiding arrangement provided within the oven chamber or arranged at a drawer of the oven and designed for receiving and guiding an oven pan or a tray (30); a coupling element arranged at a wall of the oven chamber and being designed for receiving a mating coupling element (34, 36), wherein the coupling element comprises at least one electrical contact adapted to provide electrical power to a heater element (46) to be connected via a mating coupling element (34, 36) to the coupling element when a tray (30) having the mating coupling element (34, 36) is received in the guiding arrangement; and a control unit configured to control the supply of electrical power to the coupling element. According to another aspect of the invention, an oven tray (30) is provided, in particular an oven tray configured to be used in the above oven. The oven tray comprises: a heater element (46) mounted at the oven tray; and a mating coupling element (34, 36) arranged at an outer wall of the oven tray (30) and being designed for coupling to a coupling element provided in an oven, wherein the mating coupling element (34, 36) comprises at least one electrical contact (38) adapted to provide electrical power to the heater element (46) when the mating coupling element (34, 36) is electrically coupled to the oven coupling element. When the tray is inserted in the oven chamber and electrical coupling is provided, the heater element can be heated and a smoking or aromatic vapour treatment agent positioned over the heater element can be heated for generating smoke to be supplied to the food (60) stored in a container (52).

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- [X] DE 102010062511 A1 20120614 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [X] EP 1460342 A1 20040922 - SAMSUNG ELECTRONICS CO LTD [KR]
- [X] EP 0253278 A2 19880120 - LICENTIA GMBH [DE]
- [X] EP 3006832 A1 20160413 - WHIRLPOOL CO [US]
- [E] EP 3147573 A2 20170329 - WHIRLPOOL CO [US]
- [XY] US 5938959 A 19990817 - WANG PING [US]
- [Y] US 4926843 A 19900522 - VOCKE HENNING L [FI], et al
- [XA] WO 2014095659 A1 20140626 - ARCELIK AS [TR], et al
- [A] EP 2468150 A1 20120627 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Cited by
US10955142B2; WO2020009848A1

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