

Title (en)

Arrangement for self-cleaning oven

Title (de)

Anordnung zur selbstreinigung eines Ofens

Title (fr)

Agencement pour l'auto-nettoyage d'un four

Publication

EP 3495742 A1 20190612 (EN)

Application

EP 17206462 A 20171211

Priority

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Abstract (en)

An arrangement (1) for self-cleaning a cooking space (2) of an oven (3) is described, wherein the oven comprises a heating mechanism (4) adapted to heat the cooking space (2) on starting of a cleaning operation, for burning a leftover (5) onto one or more walls (6) of the oven (3), and to generate a flue composition (7) comprising of at least a gas and an ash. The arrangement (1) comprising a flowrate apparatus (8) adapted to be in line of flow of the flue composition (7), and to generate a processing data (9) relating to flow of the flue composition (7), or concentration of components of the flue composition (7), or a combination thereof, and a processing unit (10) adapted to generate and send a start trigger (11) for starting the cleaning operation to the heating mechanism (4), to receive and process the processing data (9), and to generate a control trigger (12) for controlling the heating mechanism (4). The heating mechanism (4) is adapted to receive the start trigger (11) and to start the heating of the cooking space (2), and to receive the control trigger (12) and to vary intensity of heating of the cooking space (2).

IPC 8 full level

F24C 14/00 (2006.01)

CPC (source: EP)

F24C 14/00 (2013.01)

Citation (applicant)

- US 2002005401 A1 20020117 - MEYER ROBERT WILLIAM [US], et al
- WO 2004081456 A1 20040923 - GUNKOL GUNES ENERJISI VE KLIMA [TR], et al

Citation (search report)

- [YA] EP 0528250 A2 19930224 - BOSCH SIEMENS HAUSGERAETE [DE]
- [Y] WO 2004076928 A2 20040910 - MIDDLEBY CORP [US], et al
- [A] US 3669090 A 19720613 - JUNG ANTON LADISLAUS, et al
- [A] US 2001052852 A1 20011220 - KOUZNETSOV ANDRIAN [US], et al
- [A] US 6232584 B1 20010515 - MEYER ROBERT WILLIAM [US]
- [AD] EP 1172612 A1 20020116 - WHIRLPOOL CO [US]

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

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