

Title (en)
Method for temperature control and temperature control unit of a baking oven

Title (de)
Verfahren zur Temperatursteuering und Temperatusteuereinheit eines Garofens

Title (fr)
Procédé et unité de commande de la température d'un four de cuisson

Publication
EP 1712844 A3 20171220 (DE)

Application
EP 06002097 A 20060202

Priority
DE 102005017617 A 20050415

Abstract (en)
[origin: EP1712844A2] In a process to regulate the pre-heat process to reach a target temperature of a food oven e.g. a cake baking oven, the pre-heat process is regulated by a control program. The control program is derived from an existing control program that has been determined for a specific type of oven, but incorporating a mathematically calculated correction factor that takes into account the characteristics of the oven in question; and/or the correction program has a dynamic correction factor that takes into account varying operating parameters. also claimed is a commensurate temperature control assembly.

IPC 8 full level
F24C 7/08 (2006.01)

CPC (source: EP US)
F24C 7/08 (2013.01 - EP US); **F24C 7/087** (2013.01 - EP US)

Citation (search report)

- [XY] DE 19541608 A1 19970515 - DIEHL GMBH & CO [DE]
- [XYI] DE 10052137 A1 20020502 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [X] DE 3129781 C2 19860717 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [Y] EP 0029483 A1 19810603 - LITTON SYSTEMS INC [US]
- [Y] WO 9700596 A1 19970103 - ELECTROLUX AB [SE], et al
- [Y] DE 4321101 A1 19950105 - MIELE & CIE [DE]
- [Y] EP 0050240 A2 19820428 - BOSCH SIEMENS HAUSGERAETE [DE]
- [XA] JP S57143282 A 19820904 - HITACHI NETSU KIGU KK
- [X] DE 10027299 A1 20011213 - MIWE MICHAEL WENZ GMBH [DE]
- [X] DE 3127352 A1 19820715 - METTLER INSTRUMENTE AG [CH]
- [A] US 4447693 A 19840508 - BUCK RONALD G [US]
- [A] JP 2001254955 A 20010921 - SANYO ELECTRIC CO, et al
- [A] EP 1028289 A1 20000816 - SIEBE APPLIANCE CONTROLS GMBH [DE]

Cited by
EP1998116A1; EP2587164A3; EP2604930A1; EP2604929A1; US9194590B2; WO2021037821A1; WO2012019891A1; US9267692B2; EP2110605B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1712844 A2 20061018; EP 1712844 A3 20171220; EP 1712844 B1 20190821; DE 102005017617 A1 20061026;
US 2006231551 A1 20061019; US 7554061 B2 20090630

DOCDB simple family (application)
EP 06002097 A 20060202; DE 102005017617 A 20050415; US 37873606 A 20060317