

Title (en)

Cooking oven provided with rapid chilling arrangement using cryogenic gas

Title (de)

Schnellkühlung mit kryogenischem Gas für Kochofen

Title (fr)

Four de cuisson muni d'un système de réfrigération rapide à gaz cryogénique

Publication

**EP 0731319 A1 19960911 (EN)**

Application

**EP 96102219 A 19960215**

Priority

IT PN950014 A 19950307

Abstract (en)

Food cooking oven comprising a cooking cavity, one or more heating elements for heating up said cavity, at least a motor-driven fan adapted to mix up the atmosphere existing in said cavity, and provided also with a conduit coming in from the outside and introduced in said cooking cavity and terminating with a nozzle ejecting into said cavity, wherein said conduit is adapted to inject into said cavity a flow of cryogenic gas supplied by a reservoir situated outside the oven. In the motor-driven fan there is provided at least a suction opening for taking in the gas contained in the cooking cavity, while the ejection nozzle is arranged close to and oriented toward said suction opening. In a preferred manner said cryogenic gas delivery conduit is provided with a valve arrangement adapted to enable the inflow of cryogenic gas into said cavity to be shut off and adjusted. <IMAGE>

IPC 1-7

**F24C 15/32**; **F25D 23/12**

IPC 8 full level

**F24C 15/32** (2006.01); **F25D 23/12** (2006.01); **F25D 31/00** (2006.01)

CPC (source: EP)

**F24C 15/327** (2013.01); **F25D 23/12** (2013.01); **F25D 31/005** (2013.01); **F25D 2400/28** (2013.01)

Citation (search report)

[X] FR 2019050 A1 19700626 - UNIVERSAL OIL PROD CO

Cited by

CN113616091A; ITTV20120013A1; EP1215444A1; FR2818359A1; CN115444283A; FR2941774A1; DE19724455C3; EP2393368A4; US6555791B2; WO2013110996A3

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 0731319 A1 19960911**; IT 1282412 B1 19980323; IT PN950014 A0 19950307; IT PN950014 A1 19960907

DOCDB simple family (application)

**EP 96102219 A 19960215**; IT PN950014 A 19950307