

Title (en)

GAS OR ELECTRICALLY HEATED AIR CIRCULATION FOR COOKING FOODSTUFFS

Publication

EP 0043959 B1 19840829 (DE)

Application

EP 81104950 A 19810626

Priority

- CH 392081 A 19810615
- CH 532980 A 19800711

Abstract (en)

[origin: ES8203564A1] The baking oven (1) has a swingable front wall (2), two side walls (3, 4), a rear wall (5) and a bottom wall (6). They establish a baking chamber (7) in the main portion. At the rear wall (5) is a gas-air mixing chamber (8) with a gas inlet duct (11). Next to it there are four motors (9 and 10). These drive radial blower rotors (12 and 13). Opposite the nozzle block (28) lies a heat exchanger (15). This is of the surface type. It is wavy in one direction so that it has wave crests and wave troughs. Main nozzles (29) are provided on the wave crests, the auxiliary nozzles (30) for the pilot flames are arranged in the wave troughs. The nozzles (29 and 30) produce a short-flamed, coherent flame carpet. On its longitudinal sides four radial blowers (12, 13) are arranged. They are individually regulatable and are reversible as to direction of rotation. Throughout the baking chamber nearly uniform temperature conditions prevail. In operation, the oven produces less noise, due to plural small air circulation blowers.

IPC 1-7

F24C 3/02; **F24C 7/00**; **F24C 3/08**; **F24C 15/32**

IPC 8 full level

F24C 15/32 (2006.01)

CPC (source: EP US)

F24C 15/322 (2013.01 - EP US); **F24C 15/325** (2013.01 - EP US)

Citation (examination)

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Cited by

EP0528593A1; EP3425286A1

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EP 0043959 A2 19820120; **EP 0043959 A3 19820331**; **EP 0043959 B1 19840829**; DE 3165770 D1 19841004; DK 301281 A 19820112; ES 503573 A0 19820416; ES 8203564 A1 19820416; FR 2486631 A1 19820115; FR 2486631 B1 19840330; GR 74358 B 19840627; NO 155463 B 19861222; NO 155463 C 19870401; NO 812370 L 19820112; US 4467777 A 19840828

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