

Title (en)
DIRECT CONVECTION OVEN

Title (de)
DIREKTKONVEKTIONSOFEN

Title (fr)
FOUR A CONVECTION DIRECTE

Publication
EP 1412677 B1 20080813 (FR)

Application
EP 02774848 A 20020729

Priority
• FR 0202707 W 20020729
• FR 0110415 A 20010731

Abstract (en)
[origin: US7044122B2] The invention concerns an oven wherein a globally parallelepiped muffle chamber (1) contains a centrifugal convection turbine (9) driven by a motor (10) and arranged adjacent to the center of the rear peripheral wall (7). Annular electrical resistors (12, 13) are placed at the periphery of the turbine, the assembly being surrounded by a mechanical protection grid (22). The convection turbine (9) and the heating means (12, 13) are placed in the muffle chamber (1) communicating directly with the cooking volume (81), without separating wall countering the air flow. The oven is thus provided both with self-cleaning effect and a better cooking heat distribution in the oven.

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)
• US 4648377 A 19870310 - VAN CAMP RICHARD H [US]
• GB 1417199 A 19751210 - BAUKNECHT GMBH G

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

DOCDB simple family (publication)
US 2004216731 A1 20041104; US 7044122 B2 20060516; AT E404826 T1 20080815; DE 60228260 D1 20080925; EP 1412677 A1 20040428; EP 1412677 B1 20080813; ES 2312627 T3 20090301; FR 2828269 A1 20030207; FR 2828269 B1 20050325; PT 1412677 E 20081124; WO 03012342 A1 20030213; WO 03012342 A8 20040422

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