

Title (en)

Forced convection oven for food baking

Title (de)

Zwangskonvektionsofen zum Backen von Nahrungsmitteln

Title (fr)

Four à convection forcée pour la cuisson de produits alimentaires

Publication

EP 1176367 A1 20020130 (EN)

Application

EP 01116786 A 20010723

Priority

IT VI20000160 A 20000725

Abstract (en)

A forced convection oven for food baking including: a baking chamber (3) having internal heat exchanging means (2) formed by at least one wound pipe passed through by the discharged smoke of the burnt gas; a burner (4) provided with air/fuel mixing means whose head (41) faces the flame of said heat exchanger; ventilation means (46) suitable to ensure the necessary capacity of the burner of the air/fuel mixture. Said mixing means air/fuel are a mixer valve (43) ensuring a constant air/fuel ratio when the capacity varies and said capacity of said mixture is variable through the variation of the number of revolutions of the ventilation means, said variation being a function of the difference between the temperature (Ti) required to the oven and the detected temperature (Tf) of the chamber of said oven. <IMAGE>

IPC 1-7

F24C 15/32; **F24C 3/12**

IPC 8 full level

F24C 3/12 (2006.01); **F24C 15/32** (2006.01)

CPC (source: EP)

F24C 3/128 (2013.01); **F24C 15/322** (2013.01)

Citation (search report)

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