

Title (en)

Cooking oven with improved heating assembly

Title (de)

Backofen mit verbesserter Heizanordnung

Title (fr)

Four de cuisson avec ensemble de chauffage amélioré

Publication

EP 2060854 B1 20120201 (EN)

Application

EP 07120942 A 20071119

Priority

EP 07120942 A 20071119

Abstract (en)

[origin: EP2060854A1] It is disclosed an oven with a convection cooking chamber (10) on which a heating assembly (14) of a butterfly-like shape is mounted. The heating assembly comprises a baffle (16) with air inlets (18) and air outlets (19, 19'), a fan and at least an electrical heating element (20; 20A; 20B; 30; 40). The baffle comprises side portions (54,56) with restrictions (53,55) and widened ends (57,59), corresponding to the shape of the heating element. The assembly is such that a forced air flow is generated from said air inlets (18) to said air outlets (19,19'), said forced air flow being redistributed by the asymmetric profile in the zone between said air inlets and said air outlets. Air speed, and consequently heat exchange is improved and temperature of the cooking chamber is better controlled.

IPC 8 full level

F24C 15/32 (2006.01)

CPC (source: EP)

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Cited by

CN107249334A; US11454403B2; EP4224072A1; US10415836B2; WO2016124789A3

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