

Title (en)  
Hot air oven.

Title (de)  
Heissluftofen.

Title (fr)  
Four à air chaud.

Publication  
**EP 0409324 A1 19910123 (EN)**

Application  
**EP 90201891 A 19900712**

Priority  
SE 8902557 A 19890718

Abstract (en)  
The invention relates to a hot air oven in which a fan provided with an impeller (12) circulates air past heating elements (26) located in the periphery of the impeller. The air is sucked in into the center of the impeller (12) from the oven cavity and is thrown out from the impeller (12) past the heating elements (26) in order to be reintroduced through apertures at the edges of the oven cavity into the cavity. In order to eliminate the tangential velocity component of the airflow leaving the fan and improve the heat transfer from the heating elements to the airflow and due to that obtain a more uniform heat distribution in the oven cavity a fan provided with airflow guiding means (25) is located on or beyond the heating elements viewed in a radial direction from the center of rotation of the impeller.

IPC 1-7  
**A21B 1/26**; **F24C 7/00**; **F24C 15/32**

IPC 8 full level  
**F24C 1/00** (2006.01); **F24C 7/00** (2006.01); **F24C 15/32** (2006.01)

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**F24C 15/325** (2013.01)

Citation (search report)

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