

Title (en)
FORCED CONVECTION OVEN

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Application
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Abstract (en)
[origin: EP0152571A2] A forced convection oven has a cooking chamber (5) enclosing a motor-driven fan (9, 10) mounted adjacent a wall thereof and surrounded by heater elements (15) for heating air flowing towards the cooking chamber. According to the invention, a circular diffuser (16) having numerous blades (17) of curvilinear shape is disposed between the fan (9) and the heater elements (15). Diffuser (16) is effective to deflect the air escaping from fan (9) to substantially radial directions with respect to the fan axis, and to reduce the air outflow velocity, resulting in a more uniform temperature distribution within the cooking chamber.

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F24C 1/14

IPC 8 full level
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Cited by
EP0274902A3; EP0409324A1; EP0926449A1; US6070517A; US4771163A; WO2007138015A1; WO2008148675A3; US9319242B2

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