

Title (en)  
Fan oven, in particular for domestic use

Title (de)  
Heissluftofen, insbesondere Haushaltsheissluftofen

Title (fr)  
Four ventilé, en particulier four ventilé domestique

Publication  
**EP 2607797 A3 20130911 (EN)**

Application  
**EP 12199111 A 20121221**

Priority  
• IT TO20111195 A 20111222  
• IT TO20110149 U 20111222

Abstract (en)  
[origin: EP2607797A2] The present invention relates to an oven (1) of the ventilated type, in particular for domestic use, comprising: - a muffle (10) defining a cooking compartment (10V) where food to be cooked is placed, said muffle (10) comprising a bottom wall (11), a top wall (12), a back wall (13), a front wall (14) opposite to said back wall (13), and two mutually opposite side walls (15); - heating means (20) associated with the muffle (10) for heating air in said muffle (10) and causing said food to be cooked; - a fan (30) for circulating air in said muffle (10), the fan (30) being located in a cavity (40) associated with the back wall (13) of the muffle (10) via a bulkhead (41); - inlet means (50) allowing said cavity (40) to be in fluidic communication with the compartment (10V) of the muffle (10), so as to allow the air contained in said cavity (40) and moved by the fan (30) to flow into the compartment (10V) of the muffle (10), said inlet means (50) comprising at least one opening (51) in said bulkhead (41); - return means (60) allowing the compartment (10V) of the muffle (10) to be in fluidic communication with the cavity (40), so as to allow the air contained in said compartment (10V) to be sucked in by the fan (30) and return into the cavity (40), said return means (60) comprising at least one passage (61) in said bulkhead (41). The invention is characterized in that said return means (60) comprise a channel (62) comprising a first end (62A) associated with said at least one passage (61) and a second end (62B) situated in the proximity of the front wall (14), so as to draw air near the front wall (14) of the muffle (10) and convey it towards the fan (30) through said at least one passage (61).

IPC 8 full level  
**F24C 15/32** (2006.01)

CPC (source: EP)  
**F24C 15/325** (2013.01)

Citation (search report)  
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• [Y] US 6376817 B1 20020423 - MCFADDEN DAVID H [US], et al  
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• [A] US 6060701 A 20000509 - MCKEE PHILIP R [US], et al

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