

Title (en)
Fan-assisted oven with improved air circulation

Title (de)
Ofen mit verbesserter Luftumwälzung

Title (fr)
Four ventilé à circulation d'air améliorée

Publication
EP 0695915 A1 19960207 (EN)

Application
EP 94112321 A 19940806

Priority
EP 94112321 A 19940806

Abstract (en)
A fan-assisted oven (1) comprises a cooking chamber (2) with side walls (3, 4), a roof (5), a lower wall (6) and a rear wall (7), beyond this latter there being positioned a compartment (11) housing a known electrical resistance element (14) and a usual motorized fan (12), a grille portion (16) being provided centrally within the rear wall (7) in front of said fan (12); at its corners (17), said rear wall (7) comprises regions (18, 77) through which air forced by the fan (12) is introduced into the cooking chamber (2), said air moving along said walls in proximity to their edges (19) during its introduction into said chamber (2) and being directed mainly towards the front wall or opening door of the oven, to then undergo redistribution within the chamber (2) and be then drawn by the fan (12) through the central grille (16) into the compartment (11) where said fan is housed. <MATH>

IPC 1-7
F24C 15/32

IPC 8 full level
F24C 15/32 (2006.01)

CPC (source: EP)
F24C 15/322 (2013.01)

Citation (search report)
• [A] EP 0105931 A1 19840425 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• [X] PATENT ABSTRACTS OF JAPAN vol. 7, no. 287 (M - 264)<1432> 21 December 1983 (1983-12-21)

Cited by
EP2012066A1; CN108386387A; WO2006025133A1

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