

Title (en)  
Kitchen oven with air-cooled closing door

Title (de)  
Backofen mit luftgekühlter Tür

Title (fr)  
Four de cuisine avec porte de fermeture refroidie à l'air

Publication  
**EP 1972855 A1 20080924 (EN)**

Application  
**EP 07005932 A 20070322**

Priority  
EP 07005932 A 20070322

Abstract (en)  
An oven (1) with a cooking chamber (2), comprising an air cooled door (4), with a plurality of plates, eg. window panes, wherein said door (4) comprises a first (51) and second (52) gap located between the window panes, which are positioned on the outer and inner side of door (4). Air moving means (5) draw a first air flow, rising through said second gap (52) through a suction duct (6), and blow it to the outside through an expulsion duct (7). A second air flow rises through said first gap (51), unable to pass through said suction duct (6), and encounters said first air flow exiting from the expulsion duct (7), immediately after having left the first gap (51).

IPC 8 full level  
**F24C 15/00** (2006.01); **F24C 15/04** (2006.01)

CPC (source: EP)  
**F24C 15/006** (2013.01); **F24C 15/04** (2013.01)

Citation (applicant)  
• US 5918589 A 19990706 - VALLE MIGUEL A [US], et al  
• EP 0900984 A1 19990310 - AEG HAUSGERAETE GMBH [DE]  
• FR 2655132 A1 19910531 - MERLONI ELETTRODOMESTICI SPA [IT]

Citation (search report)  
• [XY] US 5918589 A 19990706 - VALLE MIGUEL A [US], et al  
• [Y] EP 0900984 A1 19990310 - AEG HAUSGERAETE GMBH [DE]  
• [A] FR 2655132 A1 19910531 - MERLONI ELETTRODOMESTICI SPA [IT]  
• [Y] WO 2006064457 A1 20060622 - ARCELIK AS [TR], et al

Cited by  
EP2108891A1; ITTO20130847A1; CN102188169A; EP2363648A3; ITTO20130849A1; ITTO20130852A1; CN105814366A; CN106030213A; WO2011069667A1; US9022017B2; US8039775B2; WO2015056206A1; KR101474494B1; WO2015056207A1; WO2015056208A1; US9125537B2; US10260759B2; US10260758B2; US11092344B2; EP3058282B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1972855 A1 20080924; EP 1972855 B1 20130814; ES 2434516 T3 20131216**

DOCDB simple family (application)  
**EP 07005932 A 20070322; ES 07005932 T 20070322**