

Title (en)  
COOKING APPARATUS

Title (de)  
KOCHGERÄT

Title (fr)  
APPAREIL DE CUISSON

Publication  
**EP 2418432 A4 20171108 (EN)**

Application  
**EP 10761841 A 20100406**

Priority  
• KR 2010002086 W 20100406  
• KR 20090029650 A 20090406

Abstract (en)  
[origin: EP2418432A2] A cooker is provided. The cooker includes a cavity having a cooking chamber, at least one electric component installed in the cavity, a steam generator installed in the cavity, the steam generator supplying steam into the cooking chamber, a cooling fan generating an airflow for cooling the electric component and an airflow introduced into the cooking chamber, and a duct guiding air sucked into the cooking chamber by the cooling fan to circulate the inside of the cooking chamber and discharged to the outside of the cooking chamber, the duct condensing steam contained in the air discharged to the outside of the cooking chamber. Thus, a phenomenon in which the steam supplied into the cooking chamber is discharged together with air for ventilating the inside of the cooking chamber is prevented.

IPC 8 full level  
**F24F 7/06** (2006.01)

CPC (source: EP KR)  
**F24C 15/006** (2013.01 - EP); **F24C 15/327** (2013.01 - EP); **F24F 7/06** (2013.01 - KR); **H05B 6/642** (2013.01 - EP); **H05B 6/6485** (2013.01 - EP)

Citation (search report)  
• [XA] EP 1710507 A1 20061011 - SHARP KK [JP]  
• [XYI] EP 1909038 A2 20080409 - SAMSUNG ELECTRONICS CO LTD [KR]  
• [Y] WO 2008032902 A1 20080320 - LG ELECTRONICS INC [KR], et al  
• [Y] US 2006186108 A1 20060824 - KIM HAG S [KR], et al  
• [E] EP 2417881 A2 20120215 - LG ELECTRONICS INC [KR]  
• [A] WO 2008032897 A1 20080320 - LG ELECTRONICS INC [KR], et al  
• [A] JP 2006017398 A 20060119 - MATSUSHITA ELECTRIC IND CO LTD  
• [A] DE 3839657 A1 19900531 - MIELE & CIE [DE]  
• See references of WO 2010117180A2

Cited by  
EP3369997A4; US2015090706A1; US10047961B2; WO2020094293A1; EP2703740B1; US10830456B2; US11739949B2; US12104799B2

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