

Title (en)
COOKING APPLIANCE HAVING THERMAL DECOMPOSITION FUNCTION

Title (de)
KOCHVORRICHTUNG MIT FUNKTION ZUR THERMISCHEN ZERSETZUNG

Title (fr)
APPAREIL DE CUISSON PRÉSENTANT UNE FONCTION DE DÉCOMPOSITION THERMIQUE

Publication
EP 2921780 A1 20150923 (EN)

Application
EP 13855099 A 20131001

Priority
• KR 20120129222 A 20121115
• KR 2013008770 W 20131001

Abstract (en)
The cooking device with pyrolysis function includes a cooking cavity, a heating means located within the cooking cavity for emitting heat, a combustion tube having a hollow portion formed to surround the heating means, the combustion tube being heated by the heating means and radiates its heat to the center of the cooking cavity, a combustion space formed between the heating means and the combustion tube in which cooking fumes are decomposed by the heat from the heating means, a fan adapted to withdraw air from the cooking cavity and to discharge a part or all of the air through the connection tube into the combustion space, a connection tube for connecting fluid communication between the combustion tube and the fan, and a gas outlet for venting the steam and air in the combustion space to the outside of the cooking device.

IPC 8 full level
F24C 9/00 (2006.01); **F24C 14/02** (2006.01); **F24C 15/00** (2006.01); **F24C 15/20** (2006.01); **F24C 15/32** (2006.01)

CPC (source: EP KR US)
F24C 9/00 (2013.01 - KR); **F24C 14/025** (2013.01 - EP US); **F24C 15/00** (2013.01 - KR); **F24C 15/20** (2013.01 - KR);
F24C 15/2014 (2013.01 - EP US); **F24C 15/322** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 2015090247 A1 20150402; AU 2013345700 A1 20150611; BR 112015010869 A2 20170711; CA 2889658 A1 20140522;
CN 103930006 A 20140716; CN 103930006 B 20161012; EP 2921780 A1 20150923; EP 2921780 A4 20161221; JP 2016502637 A 20160128;
KR 101306428 B1 20130909; RU 2015122094 A 20170110; WO 2014077505 A1 20140522

DOCDB simple family (application)
US 201314348890 A 20131001; AU 2013345700 A 20131001; BR 112015010869 A 20131001; CA 2889658 A 20131001;
CN 201380002783 A 20131001; EP 13855099 A 20131001; JP 2015542940 A 20131001; KR 20120129222 A 20121115;
KR 2013008770 W 20131001; RU 2015122094 A 20131001