

Title (en)
Gas cooking area

Title (de)
Gaskochfläche

Title (fr)
Surface de cuisson au gaz

Publication
EP 2413038 A1 20120201 (DE)

Application
EP 11174489 A 20110719

Priority
ES 201031187 A 20100729

Abstract (en)
The cooktop (1) has a gas burner (3) arranged in a cooktop plate (2), which comprises an opening (12) for primary air supply to the gas burner. The opening is covered by a lid (13) that covers another opening in a closing position by electromagnets. The lid uncovers the latter opening in an opening position by a spring element. The spring element and the electromagnet are equipped in such a manner that restoring force of the spring element and retaining force of the electromagnets act against each other. The lid forms an even surface in the closing position.

Abstract (de)
Ein Gaskochfeld (1) umfasst eine Kochfeldplatte (2) und mindestens einen in der Kochfeldplatte (2) angeordneten Gasbrenner (3). Dabei hat die Kochfeldplatte (2) mindestens eine von einem Deckel (13) abdeckbare Öffnung (12) zur Primärluftzufuhr für den Gasbrenner (3). Der Deckel (13) deckt die Öffnung (2) in einer Schließposition mit Hilfe eines Elektromagneten (16) gehalten ab, und der Deckel (13) gibt mit Hilfe eines Federelements (15) in einer Öffnungsposition die Öffnung (2) frei.

IPC 8 full level
F24C 15/10 (2006.01)

CPC (source: EP ES)
F24C 3/085 (2013.01 - EP); **F24C 15/10** (2013.01 - EP ES)

Citation (applicant)
• US 2004177841 A1 20040916 - LITTLE DERRICK DOUGLAS [US], et al
• DE 102008017398 A1 20091008 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Citation (search report)
• [IY] EP 2189728 A2 20100526 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• [Y] JP 2004245553 A 20040902 - OSAKA GAS CO LTD

Citation (third parties)
Third party : anonymous
• DE 1854789 U 19620705 - ALASKA WERK DIETER SCHILDBACH [DE]
• DE 1261254 B 19680215 - PROCTOR SILEX CORP
• DE 2634516 B1 19771208 - ROWENTA WERKE GMBH
• CH 181641 A 19351231 - HACKENSCHMIDT HANS [CZ]
• DE 1679045 B1 19720113 - SUEDEDEUTSCHE METALLWERKE GMBH
• DE 19964219 C2 20021121 - FERSTL ROLF [DE]
• DE 2551844 A1 19770526 - KRAFT PAUL

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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)
EP 2413038 A1 20120201; **EP 2413038 B1 20200226**; ES 2398785 A1 20130321; ES 2398785 B1 20140122

DOCDB simple family (application)
EP 11174489 A 20110719; ES 201031187 A 20100729