

Title (en)
ENERGY SAVING COOKTOP

Title (de)
ENERGIESPARENDES KOCHFELD

Title (fr)
TABLE DE CUISSON À ÉCONOMIE D'ÉNERGIE

Publication
EP 2177075 A1 20100421 (EN)

Application
EP 08770619 A 20080611

Priority

- US 2008066460 W 20080611
- US 95955907 P 20070716
- US 96110807 P 20070719

Abstract (en)
[origin: WO2009011994A1] In accordance with one embodiment, energy savings is achieved in a cooktop by reducing the energy supplied to a burner (314) when no cooking vessel is present. A sensor (120) communicates the presence or absence of the cooking vessel to a controller (110). When the cooking vessel is present, the controller (110) signals a valve (130) by means of a digital-to-analog converter (112) to allow energy to flow to burner (314) unrestricted. When the cooking vessel is not present, the controller (110) signals valve (130) to restrict the flow of energy to burner (314).

IPC 8 full level
H05B 3/68 (2006.01); **F24C 7/00** (2006.01)

CPC (source: EP US)
F23N 1/002 (2013.01 - EP US); **F24C 3/126** (2013.01 - EP US); **H05B 1/0266** (2013.01 - EP US); **H05B 3/68** (2013.01 - EP US); **Y02B 40/00** (2013.01 - EP US); **Y10T 29/49** (2015.01 - EP US)

Citation (search report)
See references of WO 2009011994A1

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009011994 A1 20090122; CA 2693795 A1 20090122; CN 101743776 A 20100616; EP 2177075 A1 20100421; US 2010192939 A1 20100805

DOCDB simple family (application)
US 2008066460 W 20080611; CA 2693795 A 20080611; CN 200880024449 A 20080611; EP 08770619 A 20080611; US 66911308 A 20080611