

Title (en)
Working and cooking surface

Title (de)
Arbeitsplattenkochfeld

Title (fr)
Plan de travail et de cuisson

Publication
EP 0637898 B1 19960410 (DE)

Application
EP 94107945 A 19940524

Priority
EP 94107945 A 19940524

Abstract (en)
[origin: EP0637898A1] The kitchen work-surface uses electromagnetic induction to transfer energy by primary heating of a cooking pan, and uses an easily-cleaned stone as the material for the work-surface. The stone, preferably granite, is reinforced e.g. by a carbon fibre laminate, to give it mechanical stability. A cavity is provided in the underside of the surface for receiving an induction coil, without the surface being interrupted by cut-out sections which are normally required for insertion of the hotplate. The work-surface and hotplate are thus integrated in a seamless surface. The stone plate may be used as a homogenous surface for an oven top-plate, and restricted to the size of the hotplate. A removable child-safety bar may be attached beneath the work-surface. A temperature sensor introduced into the cooking food sends signals to a control unit which regulates the timing and temperature of the heating by processor or computer control.

IPC 1-7
H05B 6/12; **H05B 6/06**

IPC 8 full level
H05B 6/06 (2006.01); **H05B 6/12** (2006.01)

CPC (source: EP US)
H05B 6/062 (2013.01 - EP US)

Cited by
WO2014108521A1; WO2019120601A1; AU746176B2; EP0921708A1; BE1023679B1; US5973303A; EA027611B1; EP3032917A1; CN111706883A; DE102006047972A1; US6369370B1; WO9841064A3; WO9730567A1; WO2005072013A1; WO9941949A3; DE102013200372A1; EP1029426B1; WO2017065633A1; WO2020034011A1; DE202017006231U1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0637898 A1 19950208; **EP 0637898 B1 19960410**; AT E136722 T1 19960415; AU 2564895 A 19951221; DE 59400190 D1 19960515; DK 0637898 T3 19960729; ES 2086977 T3 19960701; GR 3020472 T3 19961031; US 6080975 A 20000627; WO 9533359 A1 19951207

DOCDB simple family (application)
EP 94107945 A 19940524; AT 94107945 T 19940524; AU 2564895 A 19950516; DE 59400190 T 19940524; DK 94107945 T 19940524; EP 9501858 W 19950516; ES 94107945 T 19940524; GR 960401839 T 19960708; US 59633596 A 19960805