

Title (en)
INDUCTION COOKTOP

Title (de)
INDUKTIONSKOCHFELD

Title (fr)
Table de cuisson par induction

Publication
EP 1629698 A1 20060301 (EN)

Application
EP 03728210 A 20030528

Priority
TR 0300047 W 20030528

Abstract (en)
[origin: WO2004107819A1] An induction cooking system including a power inverter (10), a microprocessor (18), a protection circuit (15) and a pan detection circuit (17) is provided. The power control, timing and a monitoring of the power inverter circuitry (10) is managed primarily by a microprocessor (18). Also an additional analog protection circuit (15) is provided to protect the system against hazardous conditions, such as over current and inappropriate gating signals that may be resulted by the malfunction of the microprocessor (18). So that main disadvantage of a system controlled primarily by a microprocessor is eliminated. Another circuit (17) for detection the presence of the suitable cookware is provided.

IPC 1-7
H05B 6/06; H05B 6/02

IPC 8 full level
H05B 6/06 (2006.01)

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

Citation (search report)
See references of WO 2004107819A1

Cited by
KR102200066B1; KR102200057B1; US2018176998A1; US10993292B2; KR102040696B1; WO2016010493A1; US11140751B2; US10605464B2; US11655984B2; WO2016010492A1; US11877371B2; WO2016010491A1; WO2017149055A1; US10893579B2; US11678410B2; WO2016010490A1; US11064573B2; US11212880B2; WO2017149126A1; WO2022004928A1

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DOCDB simple family (publication)
WO 2004107819 A1 20041209; AT E349880 T1 20070115; AU 2003232875 A1 20050121; DE 60310774 D1 20070208; DE 60310774 T2 20070712; EP 1629698 A1 20060301; EP 1629698 B1 20061227; ES 2279950 T3 20070901

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