

Title (en)

Switching device

Title (de)

Schaltungsvorrichtung

Title (fr)

Dispositif de commutation

Publication

EP 2506669 A3 20121107 (DE)

Application

EP 12160496 A 20120321

Priority

ES 201130476 A 20110329

Abstract (en)

[origin: EP2506669A2] The device has a power module (12a) comprising two heating frequency units (34a) for supplying high frequency alternating current to independent heating units (14a-20a) e.g. resistance heater, and a power supply unit (38a) whose output exhibits only one reference potential (42a). Two equipotential connection paths (22a, 24a) are arranged between the power module and a filter assembly (10a) to transfer a larger amount of the energy of the filter assembly to the frequency units. The power module has a switching unit (36a) for connecting one frequency unit to one of the heating units. The switching unit is a bidirectional unipolar switch.

IPC 8 full level

H05B 6/06 (2006.01)

CPC (source: EP)

H05B 6/065 (2013.01)

Citation (search report)

- [X] EP 1921897 A1 20080514 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [X] US 4308443 A 19811229 - TUCKER RAYMOND M, et al
- [X] US 4453068 A 19840605 - TUCKER RAYMOND M [US], et al
- [A] WO 2008067999 A1 20080612 - EGO ELEKTRO GERAETEBAU GMBH [DE], et al

Cited by

CN110073720A; WO2018116056A1; WO2020239821A1; EP2506671B1

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 2506669 A2 20121003; EP 2506669 A3 20121107; EP 2506669 B1 20161012; EP 2506669 B2 20231011; ES 2602489 T3 20170221; ES 2602489 T5 20240430

DOCDB simple family (application)

EP 12160496 A 20120321; ES 12160496 T 20120321