

Title (en)
Switch device

Title (de)
Schaltungsvorrichtung

Title (fr)
Dispositif de commutation

Publication
EP 2506671 A3 20130213 (DE)

Application
EP 12160770 A 20120322

Priority
ES 201130477 A 20110329

Abstract (en)
[origin: EP2506671A2] The device has a high frequency unit (34a) i.e. inverter, for supplying energy to three independent heating units (14a-20a) e.g. inductor coils. The high frequency unit is thermally contacted with an integrated cooling body (44a). A cooling ventilator (46a) cools the cooling body. Two equipotential connecting paths (22a, 24a) are provided between a filter assembly (10a) and a power assembly (12a), and transfer large part of energy from the filter assembly to the heating units. A current supply unit (38a) supplies the energy to a control unit (40a).

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

CPC (source: EP)
H05B 6/065 (2013.01); **H05B 6/1263** (2013.01)

Citation (search report)

- [X] EP 2028912 A2 20090225 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [A] EP 2292979 A1 20110309 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [A] JP 2007234623 A 20070913 - MITSUBISHI ELECTRIC CORP, et al
- [A] DE 102010028549 A1 20101118 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Cited by
EP3478026A1; WO2019081189A1; WO2022058229A1; WO2018116056A1; US11064574B2; US11700675B2

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 2506671 A2 20121003; EP 2506671 A3 20130213; EP 2506671 B1 20170913; ES 2643136 T3 20171121

DOCDB simple family (application)
EP 12160770 A 20120322; ES 12160770 T 20120322