

Title (en)  
Switch device

Title (de)  
Schaltungsvorrichtung

Title (fr)  
Dispositif de commutation

Publication  
**EP 2506671 B1 20170913 (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 (opposition)  
Opponent : Electrolux Rothenburg GmbH I  
• WO 2010069616 A1 20100624 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al  
• DE 10017175 A1 20001130 - JAEGER REGULATION CHARTRES [FR]  
• EP 2028912 A2 20090225 - BSH BOSCH SIEMENS HAUSGERAETE [DE]  
• WO 2008064993 A1 20080605 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al  
• EP 1931177 A1 20080611 - BSH BOSCH SIEMENS HAUSGERAETE [DE]  
• WO 2006092179 A1 20060908 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al  
• DE 4208249 A1 19930916 - EGO ELEKTRO BLANC & FISCHER [DE]  
• US 2010219179 A1 20100902 - LIN I-SHEN [TW]  
• DE 10017176 B4 20050303 - JAEGER REGULATION CHARTRES [FR]  
• WO 2008061908 A1 20080529 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al  
• EP 2506669 A2 20121003 - BSH BOSCH SIEMENS HAUSGERAETE [DE]  
• WO 2011051856 A1 20110505 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al  
• WO 2011086506 A2 20110721 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al  
• US 2002170905 A1 20021121 - PETERSON GREGORY A [US], et al  
• EP 1445544 A1 20040811 - ELECTROLUX HOME PROD CORP [BE]

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

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**