

Title (en)

ELECTRICAL CIRCUIT FOR SUPPLYING POWER

Title (de)

ELEKTRISCHE SCHALTUNG FÜR DIE STROMVERSORGUNG

Title (fr)

CIRCUIT ELECTRIQUE POUR ASSURER L'ALIMENTATION EN COURANT

Publication

EP 0920266 B1 20010124 (DE)

Application

EP 97938886 A 19970808

Priority

- DE 19632029 A 19960808
- EP 9704313 W 19970808

Abstract (en)

[origin: US6031210A] PCT No. PCT/EP97/04313 Sec. 371 Date Dec. 17, 1998 Sec. 102(e) Date Dec. 17, 1998 PCT Filed Aug. 8, 1997 PCT Pub. No. WO98/06296 PCT Pub. Date Feb. 19, 1998The invention is directed to an electric circuit configuration (1) for an electrical load, in particular for an electric hair dryer, a fan heater or the like. The circuit configuration (1) comprises two heating resistors (2, 6) in parallel arrangement, of which the second heating resistor (6) is equipped with a serial switch (5). The two heating resistors (2, 6) may be connected to an a.c. source. Furthermore, provision is made for a d.c. fan motor (11) connected to one of the two heating resistors (2) via a rectifier circuit (7). The rectifier circuit (7) includes two rectifiers (8, 9) in antiparallel arrangement having connected to their junction (10) one of the connecting points of the d.c. fan motor (11). The other connecting point of the d.c. fan motor (11) is connected to the second heating resistor (6) which is equipped with the serial switch (5).

IPC 1-7

A45D 20/30; **H02M 7/06**

IPC 8 full level

H05B 1/02 (2006.01); **A45D 20/30** (2006.01); **H02M 7/06** (2006.01); **H02P 7/06** (2006.01); **H05B 3/00** (2006.01)

CPC (source: EP US)

A45D 20/30 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB IE IT LI NL PT SE

DOCDB simple family (publication)

US 6031210 A 20000229; AT E198819 T1 20010215; AU 4117897 A 19980306; AU 720786 B2 20000615; CN 1117537 C 20030813; CN 1227475 A 19990901; DE 19632029 A1 19980212; DE 59702955 D1 20010301; DK 0920266 T3 20010605; EP 0920266 A1 19990609; EP 0920266 B1 20010124; ES 2155697 T3 20010516; JP 2000516494 A 20001212; RU 2198483 C2 20030210; WO 9806296 A1 19980219

DOCDB simple family (application)

US 20263798 A 19981217; AT 97938886 T 19970808; AU 4117897 A 19970808; CN 97197045 A 19970808; DE 19632029 A 19960808; DE 59702955 T 19970808; DK 97938886 T 19970808; EP 9704313 W 19970808; EP 97938886 A 19970808; ES 97938886 T 19970808; JP 50937498 A 19970808; RU 99104133 A 19970808