

Title (en)

Interface circuit for operation of capacitive loads

Title (de)

Schnittstellenschaltung zum Betrieb von kapazitiven Lasten

Title (fr)

Circuit d'interface pour opérer des charges capacitatives

Publication

EP 1467474 A3 20051214 (DE)

Application

EP 04006568 A 20040318

Priority

DE 10315473 A 20030404

Abstract (en)

[origin: EP1467474A2] The transistors (T1,T2) are provided to short-circuit the input of a load when a main supply voltage to the input of the load is not effected.

IPC 1-7

H02M 5/453; **H05B 41/392**

IPC 8 full level

H05B 41/282 (2006.01); **H03K 17/60** (2006.01); **H05B 41/232** (2006.01); **H05B 41/285** (2006.01); **H05B 41/288** (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP KR US)

H05B 41/2853 (2013.01 - EP US); **H05B 41/288** (2013.01 - KR); **H05B 41/3924** (2013.01 - EP US); **Y10S 315/04** (2013.01 - EP US)

Citation (search report)

- [XA] EP 1045623 A2 20001018 - EIN HASHOFET ELECTRICAL ACCESS [IL]
- [X] US 4876497 A 19891024 - COLVER FRANK [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05 30 April 1998 (1998-04-30)
- [X] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 19 5 June 2001 (2001-06-05)

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NL2002602C2; EP1465330A3; WO2006120629A2; US8212494B2; WO2006120629A3; WO2009121956A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1467474 A2 20041013; **EP 1467474 A3 20051214**; **EP 1467474 B1 20080702**; CA 2462631 A1 20041004; CN 100525049 C 20090805; CN 1536751 A 20041013; DE 10315473 A1 20041021; DE 502004007468 D1 20080814; JP 2004311435 A 20041104; JP 4518475 B2 20100804; KR 101070949 B1 20111006; KR 20040086816 A 20041012; TW 200503586 A 20050116; TW I362232 B 20120411; US 2004195977 A1 20041007; US 7129648 B2 20061031

DOCDB simple family (application)

EP 04006568 A 20040318; CA 2462631 A 20040331; CN 200410043050 A 20040402; DE 10315473 A 20030404; DE 502004007468 T 20040318; JP 2004098712 A 20040330; KR 20040022868 A 20040402; TW 93109002 A 20040401; US 81072704 A 20040329