

Title (en)

AC INPUT CELL FOR DATA ACQUISITION CIRCUITS

Title (de)

WECHSELSPANNUNGSEINGANGSZELLE FÜR INFORMATIONSERFASSUNGSSCHALTUNGEN

Title (fr)

CELLULE D'ENTREES ALTERNATIVES DESTINEE A DES CIRCUITS D'ACQUISITION D'INFORMATIONS

Publication

EP 0822907 B1 20000202 (FR)

Application

EP 96908937 A 19960412

Priority

- EP 96908937 A 19960412
- BE 9600040 W 19960412
- EP 95870039 A 19950419

Abstract (en)

[origin: WO9633086A1] An AC input cell for data acquisition circuits, particularly in railway applications. The cell includes at least two lines (A and B) of identical elements, and each line includes at least one Zener diode (DZ1 or DZ2), an optocoupler (U1 or U2) including an LED, a diode (D2 or D4) and a resistor (R1 or R3), each of said elements being arranged in series.

IPC 1-7

B61L 1/20; **H03K 19/007**; **G08B 29/16**

IPC 8 full level

B61L 1/20 (2006.01); **G08B 29/16** (2006.01); **H02H 3/20** (2006.01); **H03K 19/007** (2006.01)

CPC (source: EP KR US)

B61L 1/20 (2013.01 - EP KR US); **G08B 29/16** (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9633086 A1 19961024; AP 820 A 20000420; AP 9701071 A0 19971031; AT E189430 T1 20000215; AU 5262696 A 19961107; AU 713905 B2 19991216; CA 2218502 A1 19961024; CN 1182393 A 19980520; CZ 289720 B6 20020313; CZ 322097 A3 19980114; DE 69606527 D1 20000309; DE 69606527 T2 20000817; DK 0822907 T3 20000724; EA 000206 B1 19981224; EA 199700237 A1 19980226; EP 0822907 A1 19980211; EP 0822907 B1 20000202; ES 2143756 T3 20000516; GR 3033056 T3 20000831; HU P9802642 A2 19990329; HU P9802642 A3 19990830; JP H11504587 A 19990427; KR 100403087 B1 20040211; KR 19980703887 A 19981205; OA 10527 A 20020429; PL 180737 B1 20010330; PL 323041 A1 19980302; PT 822907 E 20000731; SK 141597 A3 19980603; SK 283834 B6 20040302; US 6229349 B1 20010508

DOCDB simple family (application)

BE 9600040 W 19960412; AP 9701071 A 19960412; AT 96908937 T 19960412; AU 5262696 A 19960412; CA 2218502 A 19960412; CN 96193384 A 19960412; CZ 322097 A 19960412; DE 69606527 T 19960412; DK 96908937 T 19960412; EA 199700237 A 19960412; EP 96908937 A 19960412; ES 96908937 T 19960412; GR 20000400744 T 20000324; HU P9802642 A 19960412; JP 53136196 A 19960412; KR 19970707288 A 19971014; OA 70110 A 19971017; PL 32304196 A 19960412; PT 96908937 T 19960412; SK 141597 A 19960412; US 95236298 A 19980608