

Title (en)
Transducer power supply

Title (de)
Messumformer-Speisegerät

Title (fr)
Alimentation de transducteur

Publication
EP 0927982 B2 20111123 (DE)

Application
EP 97122991 A 19971230

Priority
EP 97122991 A 19971230

Abstract (en)
[origin: EP0927982A1] The supply has a transformer for voltage isolation between the transducer and the d.c. source. The transformer primary winding is connected to the source via a chopper. The secondary is connected to a rectifier (31) that supplies a rectified chopped current to the transducer at a defined level. For connecting an active transducer (41), which outputs a d.c. current corresp. to a measurement value, an adapter circuit (60) controlled by the transducer output current is connected between the outputs of the rectifier circuit and the supply connections provided for the connection of the active transducer. The adapter circuit loads the rectifier with a d.c. current proportional to the transducer output current.

IPC 8 full level
G08C 19/02 (2006.01)

CPC (source: EP US)
G08C 19/02 (2013.01 - EP US)

Citation (opposition)
Opponent :

- DE 2321900 B2 19770217
- DE 3207785 C2 19881110

Cited by
WO2008052877A1; DE102018120878A1; DE102005055546A1; DE102013103454A1; US10116338B2; US6778371B2; DE102007060555A1; US8354941B2; EP3644019B1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0927982 A1 19990707; EP 0927982 B1 20030507; EP 0927982 B2 20111123; CA 2257585 A1 19990630; CA 2257585 C 20010925; DE 59710058 D1 20030612; JP 2999469 B2 20000117; JP H11288494 A 19991019; US 6133822 A 20001017

DOCDB simple family (application)
EP 97122991 A 19971230; CA 2257585 A 19981229; DE 59710058 T 19971230; JP 8999 A 19990104; US 21724198 A 19981221