

Title (en)
OPTICAL PROCESS VARIABLE TRANSMITTER

Title (de)
OPTISCHER SENDER FÜR PROZESSVARIABLEN

Title (fr)
EMETTEUR OPTIQUE A VARIABLE DE PROCESSUS

Publication
EP 0571382 B1 19981028 (EN)

Application
EP 91906460 A 19910212

Priority
US 9100904 W 19910212

Abstract (en)
[origin: WO9214227A1] A light input (26) energizes an optical transmitter (10) providing a light output to a waveguide (16) indicating a process variable. The transmitter (10) has a process variable sensor (21) generating a sensor output. An electrical circuit receives the sensor output and generates an electrical transmitter output indicating the process variable adjusted by a changeable parameter stored in the electrical circuit. The electrical circuit has an input (42, 44) energizing the circuit. An LED (58) converts the electrical transmitter output to the light output. A gallium arsenide photodiode (42, 44) converts a first portion of received light into electrical energy provided to the energization input (42, 44) and converts a second portion of the received light into an electrical output controlling the stored parameter.

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G08C 23/00; **H04B 10/00**

IPC 8 full level
G08C 23/04 (2006.01); **G08C 23/06** (2006.01); **H04B 10/00** (2013.01); **H04B 10/07** (2013.01); **H04B 10/24** (2006.01)

CPC (source: EP)
G08C 23/06 (2013.01)

Citation (examination)
AL.: 'OPTICALLY INTERFACED SENSOR SYSTEM FOR AEROSPACE APPLICATIONS ' see the whole document

Cited by
AU741775B2; WO9908405A1

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DE GB NL

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