

Title (en)

METHOD FOR TRANSMITTING AT LEAST TWO MEASURING SIGNALS VIA AN OPTICAL-TRANSMISSION LINK

Publication

EP 0231980 A3 19890802 (DE)

Application

EP 87200161 A 19870203

Priority

DE 3603800 A 19860207

Abstract (en)

[origin: US4864648A] A method of transmitting at least two measured values by means of light pulses which are passed by an optical transmitter through an optical transmission path to an optical receiver and whose relative separation in time is proportional to the measured value. The energy consumption for the optical transmission of the measured values is reduced by transmitting needle pulses cyclically, one after another in the same order of succession, in that per measured value an optical measuring pulse is transmitted, whose separation in time from the optical measuring pulse associated with a preceding measured value is proportional the magnitude of the measured value, and in that for each group of measured values an optical identification pulse is transmitted, whose distance in time from a preceding measuring pulse is smaller than the smallest possible distance in time between two successive optical measuring pulses.

IPC 1-7

G08C 23/00; **G08C 19/24**

IPC 8 full level

H04B 10/00 (2013.01); **G08C 19/24** (2006.01); **G08C 23/00** (2006.01); **G08C 23/04** (2006.01); **G08C 23/06** (2006.01); **H04B 10/2507** (2013.01); **H04B 10/524** (2013.01)

CPC (source: EP US)

G08C 19/24 (2013.01 - EP US); **G08C 23/06** (2013.01 - EP US)

Citation (search report)

- [A] DE 2643949 A1 19780330 - SIEMENS AG
- [A] US 4513403 A 19850423 - TROY GEORGE W [US]

Cited by

DE4215167A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0231980 A2 19870812; **EP 0231980 A3 19890802**; **EP 0231980 B1 19931013**; DE 3603800 A1 19870813; DE 3787735 D1 19931118; JP S62186398 A 19870814; US 4864648 A 19890905

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