

Title (en)
Signal acquisition device

Title (de)
Signalerfassungsvorrichtung

Title (fr)
Dispositif d'acquisition de signaux

Publication
EP 0654773 B1 19990915 (DE)

Application
EP 94116768 A 19941025

Priority
DE 4339958 A 19931124

Abstract (en)
[origin: EP0654773A1] A signal acquisition device is proposed which contains a sensor arrangement (24) having at least one sensor (10) and an evaluation circuit (25) which is spatially separate from the sensor arrangement (24). There is located between the sensor arrangement (24) and the evaluation circuit (25) a connecting line (22) via which the power which is required by the sensor arrangement (24) is supplied and the signal transmission to the evaluation circuit (25) takes place. The sensor arrangement (24) contains a signal-converting device (17) which converts an analog signal (11) output by the sensor (10) into a corresponding digital signal (18) having a predetermined pulse duty ratio (mark-to-space factor) and/or a predetermined frequency which serves to control a current sink (19). The current sink (19) modulates the current flowing in the connecting line (22) by establishing two discrete different values. <IMAGE>

IPC 1-7
G08C 19/16

IPC 8 full level
G08C 19/16 (2006.01)

CPC (source: EP)
G08C 19/16 (2013.01)

Cited by
DE102005020870A1; DE102005020870B4; US6293097B1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0654773 A1 19950524; EP 0654773 B1 19990915; DE 4339958 A1 19950601; DE 59408743 D1 19991021

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