

Title (en)
Means for measuring short time intervals.

Title (de)
Einrichtung zur Messung kleiner Zeitintervalle.

Title (fr)
Dispositif pour le mesure d'intervalles courtes.

Publication
EP 0662650 A3 19970402 (DE)

Application
EP 94117713 A 19941110

Priority
CH 5894 A 19940110

Abstract (en)
[origin: EP0662650A2] The device measures small time intervals. A number of input pulses of equal duration are used by a microprocessor (11), a control circuit (1 to 7), register for the input pulses and measure device for them. The register has a summer (6) and an input pulse counter (8). It determines the minimum number of pulses needed to form a certain registered time width that just exceeds a predetermined interval in the summer. The measurer has an oscillator (2) with a scanning pulse counter (9) and a time-extender. It multiplies the registered time width by an extension factor to give a scan time. The microprocessor evaluates the time interval from the ratio of scan time to the product of the minimum number of pulses and extension factor.

IPC 1-7
G04F 10/00

IPC 8 full level
G01F 1/66 (2022.01); **G04F 10/00** (2006.01); **G04F 10/04** (2006.01)

CPC (source: EP)
G04F 10/00 (2013.01)

Citation (search report)
• [A] DE 3219788 A1 19831201 - SIEMENS AG [DE]
• [A] US 4245192 A 19810113 - WHIFFEN MAURICE C
• [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 136 (P - 694) 26 April 1988 (1988-04-26)

Cited by
CN110412545A; RU2620191C1; US8659360B2; US8618965B2; US9379729B2; WO2013098785A3

Designated contracting state (EPC)
CH DE DK FR LI SE

DOCDB simple family (publication)
EP 0662650 A2 19950712; EP 0662650 A3 19970402; EP 0662650 B1 20000913; CZ 287073 B6 20000816; CZ 3995 A3 19950712; DE 59409519 D1 20001019; DK 0662650 T3 20010611; PL 175439 B1 19981231; PL 306708 A1 19950724

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EP 94117713 A 19941110; CZ 3995 A 19940106; DE 59409519 T 19941110; DK 94117713 T 19941110; PL 30670895 A 19950109