

Title (en)

Time interval measuring device

Title (de)

Zeitintervallmessvorrichtung

Title (fr)

Dispositif de mesure de la durée d'un intervalle de temps

Publication

EP 0706100 B1 19980812 (FR)

Application

EP 95402202 A 19951002

Priority

FR 9411848 A 19941004

Abstract (en)

[origin: EP0706100A1] The circuit for measuring the time interval between a start signal (D) and an end signal (F) includes a first clock (H) which delivers pulses of period T, and a second clock whose pulses are shifted w.r.t. the first. A digital circuit (2, 3, 4) counts the number of clock pulses which are followed by an entire period T, between the start and end signals. An analogue circuit (6, 7, 12, 10, 13) determines the time fraction of a clock period beyond the integer number of periods counter, and converts this into digital format. A processing circuit (14) then determines the duration of the time interval.

IPC 1-7

G04F 10/10; G04F 10/04

IPC 8 full level

G04F 10/04 (2006.01); **G04F 10/10** (2006.01)

CPC (source: EP US)

G04F 10/04 (2013.01 - EP US); **G04F 10/10** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

EP 0706100 A1 19960410; **EP 0706100 B1 19980812**; DE 69504000 D1 19980917; DE 69504000 T2 19990225; FR 2725326 A1 19960405; FR 2725326 B1 19961025; US 5717659 A 19980210

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EP 95402202 A 19951002; DE 69504000 T 19951002; FR 9411848 A 19941004; US 53137795 A 19950921