

Title (en)

ELECTRONIC COUNTING CIRCUIT FOR THE TIMED MEASUREMENT OF A DIGITAL SIGNAL

Title (de)

ELEKTRONISCHE ZÄHLERSCHALTUNG ZUR ZEITLICHEN VERMESSUNG EINES DIGITALEN SIGNALS

Title (fr)

COMPTEUR ELECTRONIQUE PERMETTANT DE CHRONOMETRER UN SIGNAL NUMERIQUE

Publication

EP 0679221 B1 19980408 (DE)

Application

EP 94929459 A 19941012

Priority

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Abstract (en)

[origin: US5684757A] PCT No. PCT/DE94/01198 Sec. 371 Date May 26, 1995 Sec. 102(e) Date May 26, 1995 PCT Filed Oct. 12, 1994 PCT Pub. No. WO95/12063 PCT Pub. Date May 4, 1995The electronic circuit device for analysis of a periodically repeating digital signal from a rotational position transmitter, which includes groups of events, each of which has a first and last event and at least one additional event between them, includes a first counter (10) for counting periodically generated pulses (t1) fed to it; a counting device (14) for counting the events in each group; a detecting device for the first and last event of each group; and a circuit device for feeding the periodically generated pulses (t1) to the first counter between the first and last event detected by the detecting device to form a counter count. This circuit device includes an and-gate (16) whose output is connected with the first counter (14) and whose inputs are connected to receive the periodically generated pulses (t1) and a first input signal (C1) between the first event and the last event of each group so that the and-gate (16) generates an output signal at its output between the first event and the last event of each group. A memory for storing the counter count of the first counter is also provided.

IPC 1-7

F02D 41/34

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