

Title (en)

EXCITATION CIRCUITS FOR CORIOLIS MASS FLOWMETERS

Title (de)

ERREGER-SCHALTUNGEN FÜR CORIOLIS-MASSEDURCHFLUSSMESSER

Title (fr)

CIRCUITS D'EXCITATION DESTINES A DES DISPOSITIFS DE MESURE DE DEBIT DE MASSE DE CORIOLIS

Publication

EP 1397647 A2 20040317 (DE)

Application

EP 02747393 A 20020617

Priority

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- EP 0206631 W 20020617
- EP 01114644 A 20010619

Abstract (en)

[origin: EP1271111A1] The excitation circuit has a peak value detector (pd) receiving a signal from one of the sensors (7,8) positioned along the vibrating measuring tube of the flowmeter at its input and a comparator (sa) comparing the output of the peak value detector with an adjustable reference signal (Sr) defining a vibration amplitude. The output of the comparator is multiplied with the input signal of the peak value detector via a multiplier (m) coupled to an output stage (ps) supplying the excitation assembly (6) for vibration of the measuring tube. An Independent claim for a coriolis mass flowmeter provided with an excitation circuit is also included.

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G01F 1/84

IPC 8 full level

G01F 1/84 (2006.01); **G08C 19/02** (2006.01)

CPC (source: EP)

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Citation (search report)

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