

Title (en)

DIGITAL CONVERTER APPARATUS FOR IMPROVING THE OUTPUT OF A TWO-WIRE TRANSMITTER.

Title (de)

DIGITALWANDLERGERÄT ZUR VERBESSERUNG DES AUSGANGS EINES ZWEIDRAHTSENDERS.

Title (fr)

CONVERTISSEUR NUMERIQUE AMELIORANT LES SIGNAUX DE SORTIE D'UN EMETTEUR A DEUX FILS.

Publication

EP 0324784 B1 19940727 (EN)

Application

EP 87906717 A 19870924

Priority

- US 91464886 A 19861002
- US 8702448 W 19870924

Abstract (en)

[origin: WO8802528A1] An existing analog two-wire transmitter (11) has a sensor module (35), and analog circuits (23) which provide an output representative of a sensed process variable, such as pressure, to a two-wire current loop (14). At least portions of the analog circuit (23) are removed and replaced with apparatus including a digital converter (52) that digitally calculates the transmitter output using the same current range in the current loop (14) and calculating corrections for obtaining linearity of the output.

IPC 1-7

G08C 19/04; H04M 11/04

IPC 8 full level

G08C 19/02 (2006.01)

CPC (source: EP KR)

G08C 19/02 (2013.01 - EP); **G08C 19/04** (2013.01 - KR)

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Designated contracting state (EPC)

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WO 8802528 A1 19880407; AT E109295 T1 19940815; AU 611649 B2 19910620; AU 8039387 A 19880421; CA 1334994 C 19950328; CN 1014450 B 19911023; CN 87106642 A 19880622; DE 3750297 D1 19940901; DE 3750297 T2 19941215; DK 171303 B1 19960826; DK 297588 A 19880601; DK 297588 D0 19880601; EP 0324784 A1 19890726; EP 0324784 A4 19890926; EP 0324784 B1 19940727; ES 2005363 A6 19890301; HK 135094 A 19941209; IL 84004 A0 19880229; IL 84004 A 19920525; IN 170265 B 19920307; JP 2529874 B2 19960904; JP H02500223 A 19900125; KR 880701929 A 19881107; KR 960014487 B1 19961016; MX 160488 A 19900312; NO 300566 B1 19970616; NO 882395 D0 19880531; NO 882395 L 19880531; YU 183987 A 19900831; ZA 877271 B 19880330

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