

Title (en)

Flow measurement and monitoring system for positive-displacement pumps and pumps equipped with this system.

Title (de)

Förderstrommessungs- und Überwachungssystem für Verdrängerpumpen und Pumpen mit diesem System.

Title (fr)

Système de mesure de débit et de surveillance pour pompes à déplacement positif et pompes munies de ce système.

Publication

EP 0264148 A1 19880420 (EN)

Application

EP 87201707 A 19870909

Priority

FR 8614088 A 19861008

Abstract (en)

A system for measuring the flow rate of fluids discharged from positive-displacement pumps, and real-time monitoring of these pumps. The system comprises pressure and proximity sensors and a microcomputer. The pressure sensors transmit the pressure in the discharge chambers of the pumps to the microcomputer in the form of signals. The proximity sensors provide a reference in the operating cycle of the pumps. The computer monitors sensor status and processes the data received from the sensors to provide monitoring of the pump. It transmits the results via a serial communications bus. In the event of a malfunction, an alarm is transmitted.

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F04B 51/00

IPC 8 full level

F04B 51/00 (2006.01)

CPC (source: EP)

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Citation (search report)

[X] EP 0183295 A1 19860604 - SCHLUMBERGER CIE DOWELL [FR]

Cited by

US5111690A; US5109692A; DE4209679A1; EP2723982A4; US4976144A; AU632759B2; EP0487507A3; EA015138B1; EP0751446A3; US5988986A; DE4040919A1; US5168753A; EP0508823A1; US5197328A; US9243628B2; US10378537B2; WO2006084468A1; WO9219867A1; WO2007072385A3; WO9002066A1; WO2008018040A3; WO9217339A1; DE102020127285B3; US8366402B2; US11009424B2; WO2020048947A1

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