

Title (en)

CONTINUOUS PARTICULATE EMISSIONS MONITOR CALIBRATOR

Title (de)

KALIBRIERVORRICHTUNG UND MONITOR FÜR KONTINUIERLICHE TEILCHENEMISSION

Title (fr)

DISPOSITIF DE CALIBRAGE ET DE CONTROLE CONTINU DES EMISSIONS DE MATIERES PARTICULAIRES

Publication

EP 0756706 A4 20000712 (EN)

Application

EP 94916559 A 19940422

Priority

US 9404492 W 19940422

Abstract (en)

[origin: WO9529399A1] A device (10) and method for monitoring particulate (22) flowing through a conduit (20) has a transmitter (16) and a receiver (18) positioned in optical alignment on opposite sides of the conduit (20). A light beam (50) is transmitted across conduit (20) from the transmitter (16) to the receiver (18). Particulate (22) flowing through conduit (20) interrupts light beam (50) causing a signal to be generated from which particulate concentration is determined. A calibrator assembly (40) has a motor (64) adapted to move a filter (100) having a selected percentage opacity within the path of light beam (50). Movement of the filter (100) modulates light beam (50) and a signal corresponding to the concentration associated with the percentage opacity is generated.

IPC 1-7

G01N 21/59

IPC 8 full level

G01N 21/53 (2006.01); **G01N 15/02** (2006.01)

CPC (source: EP)

G01N 21/534 (2013.01); **G01N 2015/0222** (2013.01)

Citation (search report)

- [A] GB 2243681 A 19911106 - GALAI LAB LTD [IL]
- [A] US 5028790 A 19910702 - MCGOWAN GERALD F [US], et al
- [A] EP 0108605 A2 19840516 - UNIV LONDON [GB]
- See references of WO 9529399A1

Designated contracting state (EPC)

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