

Title (en)
GAS FLOW DETECTOR

Title (de)
GASSTRÖMUNGSDETEKTOR

Title (fr)
DÉTECTEUR DE FLUX GAZEUX

Publication
EP 2052220 A1 20090429 (EN)

Application
EP 06765090 A 20060721

Priority
GB 2006002763 W 20060721

Abstract (en)
[origin: WO2008009870A1] Method and apparatuses for determination of gas flow, for instance in the form of a gas flow detector (100) comprising: a gas flow conductor (110) comprising a substantially loop-shaped part (130) cooperating with a gas inlet (120) part and a gas outlet (140) part, for the flow of gas from the gas inlet (120) part through the substantially loop-shaped part (130) of the gas flow conductor (110) to the gas outlet (140) part, at least one wave generating device (180) for generating mechanical waves in the gas flowing in the gas flow conductor (110), at least one wave detection device (153, 154) for detecting the mechanical waves generated in the gas flow conductor (110) by the wave generating device (180), and wherein said gas flow conductor (110) is arranged to form a continuous path for the mechanical waves and where the at least one wave generation device (180) is located between two or more adjacent pipe sections forming the substantially loop-shaped part (130) of the gas flow conductor (110) so as to generate the mechanical wave substantially simultaneously in the at least two adjacent pipe sections and where the at least one wave detection device (153, 154) is positioned inside at least one of the pipe sections of the at least two adjacent pipe sections of the loop-shaped part (130) of the gas flow conductor (110).

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