

Title (en)
DIFFERENTIAL PRESSURE MEASURING ARRANGEMENT

Title (de)
DIFFERENZDRUCKMESSANORDNUNG

Title (fr)
SYSTÈME DE MESURE DE PRESSION DIFFÉRENTIELLE

Publication
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Application
EP 18740806 A 20180712

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Abstract (en)
[origin: WO2019042642A1] Differential pressure measuring arrangement comprising: a differential pressure measuring transducer (10) for capturing and providing a differential pressure measurement signal which depends on a difference between a first media pressure and a second media pressure; a first effective pressure line (25) in order to apply the first media pressure to the differential pressure measuring transducer; a second effective pressure line (26) in order to apply the second media pressure to the differential pressure measuring transducer; at least one temperature sensor (30) for outputting a temperature signal which is correlated to a temperature of the effective pressure lines (25, 26); and a processing and/or evaluation unit (14) for processing the differential pressure measurement signal and the temperature signal; wherein the processing and/or evaluation unit (14) is set up to determine a significant correlation between a change in the temperature signal and the differential pressure signal on the basis of the differential pressure measurement signal and the temperature signal and to assess this correlation as an indication of a blocked effective pressure line and is also set up to check whether the assessment as an indication of a blocked effective pressure line can be verified on the basis of further process data (51) which were preferably not captured by the differential pressure measuring transducer (10).

IPC 8 full level
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Citation (search report)
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