Title (en)
METHOD FOR ACTIVELY MONITORING PIPELINES

Title (de)
VERFAHREN ZUR AKTIVEN ÜBERWACHUNG VON ROHRLEITUNGEN

Title (fr)
PROCEDE POUR SURVEILLER DE MANIERE ACTIVE DES TUYAUTERIES

Publication
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Application
EP 05716452 A 20050330

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Abstract (en)
[origin: WO2005095916A1] The invention relates to a method for actively monitoring pipelines guiding pressurized media and consumers, which are connected to the respective pipeline or pipeline system, by means of differential pressure measurement. According to the invention, monitoring occurs as to whether permanent and quasi-constant consumption takes place during a specific time period, preferably at the transfer point or behind the point of transfer between the supply device and consumer connection in a continuous manner or in predetermined cycles. If this is the case, it is possible to deduce an abnormal state, e.g. a leak, and an alarm is triggered or the downstream pipeline system is blocked. A series connection, consisting of a first pressure sensor, an electrically or hydraulically actuatable valve and a second sensor, is provided on the device side at or behind the transfer point between the supply device and consumer connection, wherein a control electronics system is connected to the pressure sensors and the valve actuation device, in order to produce an error signal when a decrease in pressure has been recognized per time unit after the valve has been blocked in a controlled manner.

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E03B 7/071 (2013.01 - EP US); **G01M 3/2815** (2013.01 - EP US); Y02A 20/15 (2017.12 - EP US)

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Cited by
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