

Title (en)

METHOD AND DEVICE FOR MONITORING UNDERGROUND INSTALLATIONS

Title (de)

VERFAHREN UND EINRICHTUNG ZUR ÜBERWACHUNG UNTERIRDISCHER ANLAGEN

Title (fr)

PROCEDE ET DISPOSITIF POUR SURVEILLER DES INSTALLATIONS SOUTERRAINES

Publication

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Application

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Abstract (en)

[origin: WO02067217A1] The invention relates to a method and device for monitoring underground installations, which are flown through, such as tunnels, passages, canals or the like, by detecting and evaluating, in an at least section-by-section manner, changing physical and/or chemical properties along the entire length of the installations to be monitored, whereby a signal is released once a permissible quantity is exceeded. The aim of the invention is to provide a method for monitoring underground installations that enables a high degree of reliability with an economically justifiable cost. In particular, a quick and locally precise localization should be made possible. Simple and tough detectors can be used in the device required for implementing this method. According to the invention, the physical and/or chemical properties in each section are detected and evaluated over the clearance profile of the underground installation in manner that is transversal to the flow (7) of the air. To this end, the sensors and/or intake nozzles (4, 8) in each section are arranged over the clearance profile of the underground installation in a plane that is transversal to the flow (7) of the air.

IPC 1-7

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IPC 8 full level

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