

Title (en)

HIGH SENSITIVITY FIBER OPTIC BASED DETECTION

Title (de)

AUF HOCHEMPFLINDLICHER FASEROPTIK BASIERENDE DETEKTION

Title (fr)

DÉTECTION REPOSANT SUR DES FIBRES OPTIQUES À HAUTE SENSIBILITÉ

Publication

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Application

EP 19746256 A 20190711

Priority

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Abstract (en)

[origin: WO2020014459A1] A detection system for measuring one or more conditions within a predetermined area includes at least one fiber optic cable for transmitting light, the at least one fiber optic cable defining a plurality of nodes arranged to measure the one or more conditions. A control system is in communication with the at least one fiber optic cable such that scattered light and a time of flight record is transmitted from the at least one fiber optic cable to the control system. The control system includes a detection algorithm operable to identify a portion of the scattered light associated with each of the plurality of nodes and indicate a presence and magnitude of the one or more conditions at each of the plurality of nodes.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2020014459A1

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