

Title (en)
LEAK CHARACTERISATION METHOD

Title (de)
LECKCHARAKTERISIERUNGSVERFAHREN

Title (fr)
PROCÉDÉ DE CARACTÉRISATION DE FUITE

Publication
EP 4217702 A1 20230802 (FR)

Application
EP 21798412 A 20210923

Priority
• FR 2009791 A 20200925
• FR 2021051639 W 20210923

Abstract (en)
[origin: WO2022064151A1] Disclosed is a method for characterising a leak in a fluid network, the fluid network comprising a plurality of interconnected zones, wherein the fluid network is equipped with at least one flow rate sensor at the inlet to the network and at least one other hydraulic sensor, of the flow rate or pressure sensor type, configured to provide hydraulic behaviour data (Qi, Pi), wherein the fluid network is provided with a digital map comprising at least the geometry of the fluid network and the location of the hydraulic sensors and wherein a statistical learning model receives, as input, a set of hydraulic behaviour data (Qi, Pi) and provides, as output, at least one item of leak characterising data from among the leak zone (Zf) and the leak flow rate (Qf).

IPC 8 full level
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CPC (source: EP US)
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