



(51) International Patent Classification:

G01N 29/50 (2006.01) *G01N 29/04* (2006.01)
F17D 5/06 (2006.01) *G01N 29/30* (2006.01)
G01M 3/24 (2006.01) *G01N 29/46* (2006.01)

(21) International Application Number:

PCT/AU2020/000036

(22) International Filing Date:

24 April 2020 (24.04.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2019901400 24 April 2019 (24.04.2019) AU
2019901401 24 April 2019 (24.04.2019) AU

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(54) Title: METHOD AND SYSTEM FOR DETECTING A STRUCTURAL ANOMALY IN A PIPELINE NETWORK

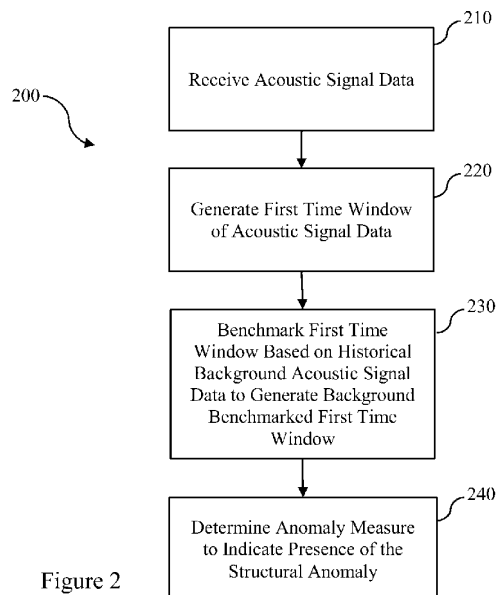


Figure 2

(57) **Abstract:** A method for detecting a structural anomaly in a pipeline supply network is disclosed where the pipeline supply network is configured to supply fluid to multiple receiving locations. The method comprises receiving acoustic signal data from a selected location in the pipeline supply network and generating a first time window of acoustic signal data based on the acoustic signal data. The method then includes benchmarking the first time window of acoustic signal data with respect to historical background acoustic signal data characterising the pipeline supply network to generate a corresponding background benchmarked first time window of acoustic signal data and then determining an anomaly measure for the background benchmarked first time window of acoustic signal data where the anomaly measure indicates a presence of the structural anomaly.

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))