

Title (en)

GAS EMISSION MONITORING AND DETECTION

Title (de)

ÜBERWACHUNG UND DETEKTION VON GASEMISSIONEN

Title (fr)

SURVEILLANCE ET DÉTECTION D'ÉMISSION DE GAZ

Publication

EP 3991127 A1 20220504 (EN)

Application

EP 20833321 A 20200619

Priority

- US 201962866733 P 20190626
- US 201962874755 P 20190716
- US 2020038603 W 20200619

Abstract (en)

[origin: WO2020263693A1] Systems, methods, and a computer readable medium are provided for monitoring and detecting a gas emission. Sensor data including gas concentration and wind data associated with a gas emission from an emission source is received from Near-Field and Far-Field sensors configured within a gas production and distribution environment. The sensor data can be provided as inputs to a Near-Field dispersion model to determine an emission rate associated with the gas emission and one or more source locations associated with the gas emission. The emission rate can be included in emission data and provided for output. Related apparatus, systems, techniques, and articles are also described.

IPC 8 full level

G06Q 50/10 (2012.01); **G01N 33/00** (2006.01); **G05D 1/02** (2020.01); **G08B 21/12** (2006.01)

CPC (source: CN EP)

F01N 11/007 (2013.01 - CN); **F02D 41/22** (2013.01 - CN); **G01M 3/04** (2013.01 - CN); **G01N 33/0004** (2013.01 - CN); **G06Q 10/063** (2013.01 - EP); **G06Q 10/20** (2013.01 - EP); **G06Q 50/02** (2013.01 - EP); **G06Q 50/06** (2013.01 - EP); **G07C 5/006** (2013.01 - CN); **G07C 5/0816** (2013.01 - CN); **G08B 21/12** (2013.01 - EP); **F02D 2041/225** (2013.01 - CN); **G01N 33/0075** (2013.01 - EP); **Y02P 90/80** (2015.11 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020263693 A1 20201230; AU 2020306782 A1 20220203; CA 3143341 A1 20201230; CN 114072671 A 20220218; EP 3991127 A1 20220504; EP 3991127 A4 20230726

DOCDB simple family (application)

US 2020038603 W 20200619; AU 2020306782 A 20200619; CA 3143341 A 20200619; CN 202080046350 A 20200619; EP 20833321 A 20200619