

Title (en)
GAS ANALYZER

Title (de)
GASANALYSATOR

Title (fr)
ANALYSEUR DE GAZ

Publication
EP 3994447 A4 20230419 (EN)

Application
EP 19942772 A 20190823

Priority
CN 2019102333 W 20190823

Abstract (en)
[origin: WO2021035432A1] A gas analyzer includes: a light source (110); an optical splitter (150), dividing light emitted by the light source into measurement light and reference light; a measurement arm (510) and a reference arm (530), wherein gas to be measured is filled in the measurement arm, reference gas is filled in the reference arm, the measurement light propagatively passes through the measurement arm, and the reference light propagatively passes through the reference arm; an optical detector (750), receiving light propagatively passing through the measurement arm and light propagatively passing through the reference arm, and converting the received light into electrical signals; and a coder (300), disposed between the optical splitter and the measurement arm and the reference arm, wherein the coder is configured to code one of the measurement light and the reference light and block the other one of the measurement light and the reference light. Therefore, the structure of the gas analyzer may be simplified.

IPC 8 full level
G01N 21/27 (2006.01); **G01N 21/3504** (2014.01)

CPC (source: EP)
G01N 21/276 (2013.01); **G01N 21/3504** (2013.01); **G01N 2021/3509** (2013.01)

Citation (search report)

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- [X] US 2009168064 A1 20090702 - RANDOW ALBERT [DE], et al
- [A] DE 102012216210 A1 20140130 - SIEMENS AG [DE]
- [A] US 2005012925 A1 20050120 - SAPTARI VIDI A [US], et al
- See references of WO 2021035432A1

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

DOCDB simple family (publication)
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