

Title (en)  
SENSOR FOR ANALYZING GASES

Title (de)  
SENSOR ZUR ANALYSE VON GASEN

Title (fr)  
CAPTEUR D'ANALYSE DE GAZ

Publication  
**EP 3580553 A1 20191218 (DE)**

Application  
**EP 18700449 A 20180102**

Priority  
• EP 17155772 A 20170213  
• EP 2018050062 W 20180102

Abstract (en)  
[origin: WO2018145822A1] The invention relates to a sensor (10) for analyzing gases, comprising at least one housing (30) having a housing interior (130) having a first opening (170) and a second opening (190) offset the first opening (170); at least one sensor element (50), which is at least partly arranged in the housing interior (130); and at least one glass element (19) and at least one supporting element (70), which are arranged in the housing interior (130) in an interspace between a housing wall in the housing interior (130) and the sensor element (50) and surround the sensor element (50) completely, at least in some areas, wherein the glass element (90) is arranged in the housing interior (130) of the housing (30) at the first opening (170) of the housing interior (130) and is adapted to seal off the interspace hermetically in the direction of the first opening (170), and wherein the potting element (70) is arranged on the glass fusible element in the direction of the second opening (190) and is adapted to fix the sensor element (50) in a form-fitting manner in the housing interior (130). The invention further relates to a method (1000) for producing a sensor (10).

IPC 8 full level  
**G01N 27/407** (2006.01)

CPC (source: EP KR US)  
**G01N 27/12** (2013.01 - US); **G01N 27/4078** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2018145822A1

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)  
**EP 3361244 A1 20180815; EP 3361244 B1 20220914**; CN 110312931 A 20191008; CN 110312931 B 20211123; EP 3580553 A1 20191218; JP 2020506397 A 20200227; JP 7090629 B2 20220624; KR 102289281 B1 20210813; KR 20190118613 A 20191018; TW 201840974 A 20181116; TW I661194 B 20190601; US 11054378 B2 20210706; US 2020033282 A1 20200130; WO 2018145822 A1 20180816

DOCDB simple family (application)  
**EP 17155772 A 20170213**; CN 201880009159 A 20180102; EP 18700449 A 20180102; EP 2018050062 W 20180102; JP 2019543772 A 20180102; KR 20197026755 A 20180102; TW 107104900 A 20180212; US 201816484562 A 20180102