

Title (en)  
SMOKE SENSOR

Title (de)  
RAUCHSENSOR

Title (fr)  
CAPTEUR DE FUMÉE

Publication  
**EP 4296986 A1 20231227 (EN)**

Application  
**EP 23179098 A 20230614**

Priority  
JP 2022098277 A 20220617

Abstract (en)  
The problem to be overcome by the present disclosure is to provide a smoke sensor which can contribute to reducing the chance of a false detection due to a foreign matter. A smoke sensor (100) includes a housing (1), a detecting unit, a partition (3), a board (41), a detection cover (21) having a tubular shape with bottom, and a suppressor (5). The housing (1) has an opening (101) through which smoke flows into the housing (1) from an outside of the housing (1). The detecting unit is configured to detect the smoke in a detection space (Sp1) provided in an inside of the housing (1). The partition (3) is configured to divide the inside of the housing (1). On the board (41), the detecting unit is disposed. The detection cover (21) is configured to house the detecting unit. The suppressor (5) is disposed at a peripheral edge of an end of the detection cover (21), and configured to suppress a foreign matter from entering the detection space (Sp1) from the outside. The detection space (Sp1) is a space formed by the board (41) and the detection cover (21). The suppressor (5) is disposed between the board (41) and the partition (3). The suppressor (5) is at least partially in contact with the board (41).

IPC 8 full level  
**G08B 17/113** (2006.01); **G08B 17/10** (2006.01)

CPC (source: EP)  
**G08B 17/113** (2013.01); **G08B 17/10** (2013.01)

Citation (applicant)  
JP 2010257258 A 20101111 - PANASONIC ELEC WORKS CO LTD

Citation (search report)  
• [X1] EP 3866131 A1 20210818 - PANASONIC IP MAN CO LTD [JP]  
• [A] EP 2093730 A1 20090826 - PANASONIC ELEC WORKS CO LTD [JP]  
• [A] US 2021041350 A1 20210211 - TAKANO HIDEKI [JP], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

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