

Title (en)

CONVENTIONAL SIZE SAMPLE CHAMBER FOR ASSEMBLING AN IONISATION SMOKE ALARM INSERT

Publication

EP 0130558 B1 19870916 (DE)

Application

EP 84107448 A 19840627

Priority

AT 241183 A 19830630

Abstract (en)

[origin: EP0130558A1] 1. A conventional-size sample chamber for the installation of an ionisation smoke alarm insert with laterally-arranged, peripheral openings for the air exchange, the measuring chamber of which is in a permanent air flow supplied with air samples which are withdrawn via a pressure pipe from a ventilating channel to be monitored and are returned to said ventilating channel via an outlet pipe, where suction pipe, outlet pipe and smoke alarm insert are arranged in the same axial direction, characterised in that in order to obtain an air flow directed in parallel to the axial direction of the smoke alarm insert (6) in the environment of the measuring chamber (16), air chambers are arranged in the interior of the sample chamber (1) in such manner that the pressure pipe (3) leads into a first ante-chamber (7) which is adjoined by a first, upper longitudinal chamber (10), that beneath this first longitudinal chamber (10) a second longitudinal chamber (11) is arranged which contains the smoke alarm insert (6) and is connected to a second ante-chamber (13) out of which the outlet pipe (4) leads, and that the first and second longitudinal chambers (10, 11) are connected by a preferably circular opening (14) to a collar (15) which extends in the direction of the second longitudinal chamber (11), where the collar (15) surrounds the cylindrical measuring chamber component (16) of the smoke alarm insert (6) so that a channel (17) having a circular ring-shaped cross-section is formed, and that the air chambers have the same breadth as the sample chambers (1).

IPC 1-7

G08B 17/12

IPC 8 full level

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