

Title (en)  
MINIATURE SMOKE ALARM

Title (de)  
MINIATURRAUCHMELDER

Title (fr)  
DÉTECTEUR DE FUMÉE MINIATURE

Publication  
**EP 3640904 A4 20210303 (EN)**

Application  
**EP 17885444 A 20171202**

Priority  
• CN 201710448935 A 20170614  
• CN 2017114341 W 20171202

Abstract (en)  
[origin: EP3640904A1] The present invention provides a micro smoke detector, including a base and a cover body axially moving along the base; wherein a side wall of the cover body is provided with a smoke inlet hole for smoke to enter a detection part; an elastic part that drives the cover body away from the base by means of an elastic effect is disposed between the cover body and the base; a limiting part that limits, by means of an abutting effect, the cover body from breaking away from the base is disposed between the cover body and the base; a surface, facing towards the base, of a control circuit board is provided with a first button triggered by movement of the cover body to the base; the first button controls test and stop of the smoke detector; and the detection part and a sound production part are electrically connected to a power supply in the base. A user can stop chirping of the smoke detector and test the smoke detector in this manner. The smoke detector set in this manner is relatively small, and in the manner of triggering by using a cover body, the area of the cover body occupies more than 90% of the area of an orthographic projection of the base, thereby facilitating stopping chirping of the smoke detector and testing the smoke detector by the user.

IPC 8 full level  
**G08B 17/10** (2006.01); **G08B 17/107** (2006.01); **G08B 17/113** (2006.01); **G08B 29/12** (2006.01)

CPC (source: CN EP)  
**G08B 17/10** (2013.01 - CN); **G08B 17/107** (2013.01 - EP); **G08B 17/113** (2013.01 - EP); **G08B 29/12** (2013.01 - CN EP)

Citation (search report)  
• [XAYI] GB 2517975 A 20150311 - CAVIUS APS [DK]  
• [Y] EP 2503525 A1 20120926 - HAGER SECURITY [FR]  
• [A] CN 202093644 U 20111228 - SUZHOU PRIMETECH ELECTRONICS CO LTD  
• See references of WO 2018227897A1

Designated contracting state (EPC)  
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