

Title (en)  
OPTICAL SMOKE DETECTORS

Publication  
**EP 0135362 A3 19860625 (EN)**

Application  
**EP 84305514 A 19840813**

Priority  
• AU 3184384 A 19840810  
• AU PG082283 A 19830812

Abstract (en)  
[origin: EP0135362A2] A flash reflector (60) for maximising the intensity of light passing into an air sampling chamber (70) of a smoke detector which enables a reduction in power requirements for the light source. The reflector (60) includes a concave reflection element (61) to focus light from each infinitesimal cross-sectional element of the arc of ionized gas in a flash tube (62), the light output from the whole length of the tube which is optionally of U-shape being focused into the central region (72) of the sampling chamber.

IPC 1-7  
**G01N 21/53**; **G08B 17/10**

IPC 8 full level  
**G08B 17/107** (2006.01)

CPC (source: EP)  
**G08B 17/107** (2013.01); **G08B 17/113** (2013.01)

Citation (search report)  
• [A] FR 2348502 A1 19771110 - LUDERITZ WILLY [DE]  
• [A] FR 2334097 A1 19770701 - SVENSKA TRAEFORSKNINGSINST [SE], et al  
• [A] US 2812686 A 19571112 - DAVID SINCLAIR  
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Cited by  
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Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0135362 A2 19850327**; **EP 0135362 A3 19860625**; **EP 0135362 B1 19900411**

DOCDB simple family (application)  
**EP 84305514 A 19840813**