

Title (en)  
Recessed smoke or heat detector

Title (de)  
Eingebauter Rauch- bzw. Wärmemelder

Title (fr)  
Détecteur encastré de fumée ou chaleur

Publication  
**EP 2500639 A3 20140820 (EN)**

Application  
**EP 12160117 A 20120319**

Priority  
GB 201104559 A 20110317

Abstract (en)  
[origin: EP2500639A2] A recessed smoke and/or heat detector (1) for mounting in a ceiling panel (7) is disclosed. The disclosed detector comprises a detection sensor that is mounted within a housing (2), the housing being configured to be pushed through a hole cut in a ceiling panel to project into a ceiling void above. The housing is open at its lower end (3) to allow smoke and/or heat from a room below to reach the detection sensor in use. The recessed detector comprises a reflector that extends from the lower end of the housing towards an upper end (4), the reflector having an internal, light-reflecting surface (17) that converges from an open, lower end (16) towards a top of the reflector (19). The detection sensor and a light source (22), which is configured to produce emergency lighting to the room below, are positioned within a space defined by the internal surface of the reflector. An audible alarm device for emitting an alarm warning sound in the event that a fire is detected may also be positioned within the reflector.

IPC 8 full level  
**F21V 23/04** (2006.01); **F21S 8/02** (2006.01); **F21V 7/00** (2006.01); **F21V 33/00** (2006.01); **G08B 17/00** (2006.01); **G08B 17/10** (2006.01); **F21V 21/04** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP GB US)  
**F21S 8/02** (2013.01 - GB); **F21S 8/026** (2013.01 - EP); **F21V 7/00** (2013.01 - EP); **F21V 7/06** (2013.01 - EP GB); **F21V 21/04** (2013.01 - EP); **F21V 23/04** (2013.01 - EP); **F21V 23/0442** (2013.01 - EP GB); **F21V 33/0076** (2013.01 - EP GB US); **G08B 17/10** (2013.01 - EP GB); **G08B 17/113** (2013.01 - EP); **F21V 21/041** (2013.01 - EP); **F21Y 2115/10** (2016.08 - EP US)

Citation (search report)  
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• [A] JP 2002008158 A 20020111 - MISAWA HOMES CO  
• [A] EP 0560030 A1 19930915 - DEUTSCHE AEROSPACE AIRBUS [DE]  
• [A] US 2007064433 A1 20070322 - WRIGHT DOUG [US]  
• [A] US 5555455 A 19960910 - MCGINLEY DAN [US]

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Designated contracting state (EPC)  
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DOCDB simple family (application)  
**EP 12160117 A 20120319**; GB 201104559 A 20110317