

Title (en)  
Optical smoke detector

Title (de)  
Optischer Rauchmelder

Title (fr)  
Déecteur optique de fumée

Publication  
**EP 0880118 A3 20000105 (DE)**

Application  
**EP 98108717 A 19980513**

Priority  
DE 19721065 A 19970520

Abstract (en)  
[origin: EP0880118A2] The alarm has a measurement chamber (1), a light transmitter (2) with a corresp. transmission path (8) and a light receiver (3) with a corresp. light reception path (6). The transmitter and receiver are arranged so that the optical axes of their associated light paths intersect at a back-scatter angle (4) greater than 90 degrees in the measurement chamber. At least one stop (7) in the transmitter path and at least one stop (5) in the receiver path are arranged so that the paths are only superimposed in an overlap region (11) in the measurement chamber contg. small edges or surfaces on which moisture or fouling form.

IPC 1-7  
**G08B 17/107**

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)  
• [X] EP 0105199 A1 19840411 - HEIMANN GMBH [DE]  
• [X] GB 2281619 A 19950308 - HOCHIKI CO [JP]  
• [X] EP 0213878 A2 19870311 - NOHMI BOSAI KOGYO CO LTD [JP]  
• [X] EP 0660283 A1 19950628 - NOHMI BOSAI LTD [JP]

Cited by  
CN111540159A; EP1881319A1; CN111540158A; CN117054304A; EP1376504A1; AU2003233744B2; CN111564019A; US7032806B2; WO0239802A3; US7365846B2; WO2004001693A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0880118 A2 19981125; EP 0880118 A3 20000105; EP 0880118 B1 20030813**; AT E247316 T1 20030815; DE 59809254 D1 20030918

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