

Title (en)
Optic smoke detector.

Title (de)
Optischer Rauchmelder.

Title (fr)
Détecteur optique de fumée.

Publication
EP 0588232 A1 19940323 (DE)

Application
EP 93114472 A 19930909

Priority
CH 288492 A 19920914

Abstract (en)
An improved optical smoke detector is obtained if at least one planar-optical element (5) is arranged in the beam path between radiation source (1) and radiation receiver (2). This element can be either a diffractive element, preferably a holographic-optical element (HOE) or a micro-Fresnel reflector (MFR). <IMAGE>

Abstract (de)
Ein verbesserter optischer Rauchmelder wird erhalten, wenn in dem Strahlengang zwischen Strahlungsquelle (1) und Strahlungsempfänger (2) mindestens ein planar-optisches Element (5) angeordnet ist. Dieses Element kann entweder ein diffraktives Element, vorzugsweise ein holographisch-optisches Element (HOE), oder ein Mikrofresnelreflektor (MFR) sein. <IMAGE>

IPC 1-7
G08B 17/107

IPC 8 full level
G08B 17/107 (2006.01)

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

Citation (search report)
• [A] WO 8909392 A1 19891005 - COLE MARTIN TERENCE [AU]
• [A] US 4230950 A 19801028 - FORSS JOHN A, et al
• [A] US 4857895 A 19890815 - KAPRELIAN EDWARD K [US]
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• [A] PATENT ABSTRACTS OF JAPAN vol. 3, no. 36 (E - 100) 27 March 1979 (1979-03-27)

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