

Title (en)
Low profile detector with multi-sided source.

Title (de)
Niedrigprofil-Detektor mit Multiseitenquelle.

Title (fr)
DéTECTEUR à bas profil avec source multiface.

Publication
EP 0405473 A2 19910102 (EN)

Application
EP 90112170 A 19900626

Priority
• US 37315689 A 19890628
• US 53507190 A 19900612

Abstract (en)
A low profile ionization type smoke sensor (50) is formed with a cylindrical housing (62) having a diameter on the order of 50.8 mm with a height on the order of 25.4 mm or less. A common electrode (66) is centrally located within the housing (62). A single sided ion source (74) is carried on the common electrode (66) and centrally located thereon. The ion source (74) extends into a first or reference region (68b) and into a second or active region (68a). First and second target electrodes (70, 72) are provided , attached to the housing (66), in each region (68a, 68b). The ion source (74) emits particles on paths that are substantially parallel to the common electrode (66). A 25.4 mm path, substantially parallel to the common electrode (66), is provided between the ion source (74) and each target electrode (70, 72).

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IPC 8 full level
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