

Title (en)
Fire suppression method and apparatus

Title (de)
Vorrichtung und Verfahren zur Brandunterdrückung

Title (fr)
Dispositif et procédé de suppression d'incendie

Publication
EP 1118355 A1 20010725 (EN)

Application
EP 00106256 A 20000322

Priority

- US 48500000 A 20000118
- US 50030800 A 20000208
- US 52300700 A 20000310

Abstract (en)
A fire suppression method and apparatus has a sprinkler head support bracket which is installable immediately above a ceiling tile. The support bracket is configured with a plurality of openings such that multiple locations for the sprinkler head may be used and the exact "center of tile" installation of the sprinkler head can be accomplished with a wide variety of suspended ceiling assemblies and sprinkler heads. The support bracket rests on grid support members and arches over the ceiling tile. Hold down clips are provided to maintain the bracket in position relative to the grid support members. A pipe clamp is provided which is insertable within the bracket to retain a drop nipple within it. The drop nipple is adjustable relative to the horizontal to move it upwardly or downwardly relative to the ceiling tile. The opposite end of the flexible armover connector is attached to an adapter nipple. The adapter nipple is formed from a single piece of black steel material. The adapter nipple has a central tubular portion to either end of which extends an opposing external threaded end portion. Inwardly of one end portion is an internal chamfer. <IMAGE>

IPC 1-7
A62C 35/68

IPC 8 full level
A62C 35/68 (2006.01)

CPC (source: EP)
A62C 35/68 (2013.01)

Citation (search report)

- [XY] US 5570745 A 19961105 - MACDONALD III NORMAN J [US]
- [Y] US 5533236 A 19960709 - TSENG LIANG-CHUAN [TW]
- [Y] EP 0454062 A1 19911030 - HATTORI TAKAMASA [JP]
- [Y] US 2017841 A 19351022 - COLEMAN JOHN B
- [A] DE 3919638 C1 19901129
- [XY] "OUR NEW CENTER-OF-TILE IS MAKING US THE CENTER OF ATTENTION", FLEXHEAD INDUSTRIES BROCHURE, XX, XX, 1 January 1986 (1986-01-01), XX, pages 01, XP002928620
- [Y] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12 26 December 1996 (1996-12-26)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 02 28 February 1997 (1997-02-28)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 08 29 August 1997 (1997-08-29)

Cited by
US2020261757A1; FR2864906A1; US2013105641A1; US9004422B2; US2013105640A1; EP2589416A3; US9004421B2; EP3366358A1; WO2009099956A1; WO2021059232A3; WO2018009633A1; US10765898B2

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 1118355 A1 20010725

DOCDB simple family (application)
EP 00106256 A 20000322