

Title (en)

COMBINED ALARM AND BACK-FLOW PREVENTION ARRANGEMENT FOR FIRE SUPPRESSION SPRINKLER SYSTEM

Publication

**EP 0445122 A4 19920513 (EN)**

Application

**EP 89910800 A 19890920**

Priority

- US 24707388 A 19880921
- US 25083488 A 19880929
- US 26931488 A 19881110
- US 33538189 A 19890410

Abstract (en)

[origin: WO9003201A1] An alarm valve and a backflow preventer are provided by a check valve (55) and an alarm valve (70) with a passageway (86) provided between the check valve (55) and the alarm valve (70) preferably having a relief valve (90) which selectively drains the passageway (86) in response to pressure in the main conduit (30) upstream of the check valve (55). An alarm (39, 84) is sounded when the alarm valve (70) is open. An impeller flow sensor (312) or other detector may be provided in the backflow prevention device.

IPC 1-7

**A62C 35/68**; **A62C 35/58**

IPC 8 full level

**A62C 35/68** (2006.01); **E03C 1/10** (2006.01); **F16K 15/00** (2006.01)

CPC (source: EP)

**A62C 35/68** (2013.01); **E03B 7/072** (2013.01); **F16K 15/00** (2013.01)

Citation (search report)

- No further relevant documents have been disclosed.
- See references of WO 9003201A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**WO 9003201 A1 19900405**; AU 4228589 A 19900418; AU 633513 B2 19930204; CA 1308332 C 19921006; EP 0445122 A1 19910911; EP 0445122 A4 19920513

DOCDB simple family (application)

**US 8904008 W 19890920**; AU 4228589 A 19890920; CA 612077 A 19890920; EP 89910800 A 19890920