

Title (en)

DRY SPRINKLER ASSEMBLIES FOR FIRE PROTECTION SPRINKLER SYSTEMS

Title (de)

TROCKENSPRINKLERANLAGEN FÜR BRANDSCHUTZSPRINKLERANLAGEN

Title (fr)

ENSEMBLES D'EXTINCTEURS SECS POUR SYSTÈMES D'EXTINCTEUR DE PROTECTION CONTRE L'INCENDIE

Publication

EP 4045154 A4 20231115 (EN)

Application

EP 20876003 A 20201018

Priority

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- US 202062957676 P 20200106
- US 2020056212 W 20201018

Abstract (en)

[origin: WO2021077060A1] An automatic fire protection sprinkler assembly for fire protection systems that includes a tubular outer housing having an inlet, an outlet opening and an internal shelf proximate the outlet opening. A fluid deflection member is spaced from the outlet opening along a fluid flow path of the assembly. A fluid control assembly is disposed within the outer housing for axial translation from an unactuated state to an actuated state of the sprinkler assembly. The fluid control assembly includes a seal subassembly, a fluid flow tube; and an ejectable support subassembly. The support subassembly includes a projection member. Upon actuation of a thermally responsive trigger, the support subassembly is ejected out the outlet opening such that the projection member comes into contact with the internal shelf of the housing to pivot the support subassembly out of the fluid flow path.

IPC 8 full level

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CPC (source: EP)

A62C 3/004 (2013.01); **A62C 35/62** (2013.01); **A62C 37/09** (2013.01); **A62C 37/12** (2013.01); **A62C 37/14** (2013.01)

Citation (search report)

- [XAI] WO 2007095213 A2 20070823 - VIKING CORP [US], et al
- [XAI] US 2006113093 A1 20060601 - SILVA MANUEL R JR [US]
- See references of WO 2021077060A1

Designated contracting state (EPC)

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