

Title (en)
APPARATUS AND METHOD FOR SUPPRESSING FIRES

Title (de)
VORRICHTUNG UND VERFAHREN ZUR FEUERBEKÄMPFUNG

Title (fr)
PROCEDE ET DISPOSITIF DE SUPPRESSION DES INCENDIES

Publication
EP 1259297 A1 20021127 (EN)

Application
EP 01905957 A 20010222

Priority
• GB 0100740 W 20010222
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Abstract (en)
[origin: WO0162344A1] Fire suppressant apparatus comprises a container (11) which may be spherical or cylindrical with domed ends, housing a liquid such as water in an interior chamber (25) and having low pressure nozzles (19, 20) housed in recesses covered by caps or covers (26, 27). A gas generator (22) is also located within the chamber (25) and contains a stable combustible material (21) which can be ignited by an ignitor (26) triggered by a sensor (28). The gas generated by combustion of the material (21) drives the water out through the nozzles (19, 20) to form fine droplets the majority of which are in the region of 50 μ m without creating a high pressure within the chamber (25). The burn time of the gas generator material is 15 to 20 seconds so that a mist or fog lasting at least this duration is generated in the protected environment and can be carried to the seat of a fire by convection currents within this environment.

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IPC 8 full level
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CPC (source: EP KR)
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Citation (search report)
See references of WO 0162344A1

Citation (examination)
US 3684019 A 19720815 - EMMONS HOWARD W, et al

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