

Title (en)
SYSTEM FOR EXTINGUISHING OF FIRES

Title (de)
FEUERLÖSCH-SYSTEM

Title (fr)
SYSTEME POUR L'EXTINCTION DES FEUX

Publication
EP 0511230 B1 19971105 (EN)

Application
EP 91901651 A 19910108

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• AU 9100006 W 19910108

Abstract (en)
[origin: WO9110477A1] An apparatus and system for storing and supplying liquid CO₂ at low pressure for extinguishing fires. The apparatus comprises a pressure vessel (13) for storing liquid CO₂ at low pressure, a cooling means (29) in contact with gaseous CO₂ in the vessel to maintain the low pressure, an inlet (24) and outlet (32) to fill the vessel and a supply conduit (17) communicating with a lower portion of the interior of the vessel to allow liquid CO₂ to pass from the vessel and into a reticulation system. A number of pressure vessels can be coupled together through a manifold (165) to provide the required amount of liquid CO₂ to a risk site. Supply valves (18) or manifold valves (173, 174) can be operated by a sensor (175, 176) in a risk site and a logic processor (177) can be used to regulate the valves and thereby the liquid CO₂. The apparatus and system is particularly designed as a replacement for current halon systems which cause damage to the ozone layer.

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WO 9110477 A1 19910725; AT E159862 T1 19971115; DE 69128141 D1 19971211; DE 69128141 T2 19980528; EP 0511230 A1 19921104; EP 0511230 A4 19940413; EP 0511230 B1 19971105; HK 1004594 A1 19981127; JP 3062954 B2 20000712; JP H05504702 A 19930722

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