

Title (en)
GAS GENERATING DEVICE

Title (de)
GASERZEUGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF GENERANT DU GAZ

Publication
EP 1318858 B1 20100714 (EN)

Application
EP 01966447 A 20010831

Priority
• US 0127114 W 20010831
• US 66124400 A 20000913

Abstract (en)
[origin: WO022214A2] A method and a device for producing a sufficient quantity of a fire suppressing gaseous product to substantially suppress a fire. The device has a first stage gas source containing a pyrotechnic gas generating material and a second stage gas source in fluid communication at a first location with an outlet of the first stage gas source and, at a second location, with an outlet for dispersing gas. The second stage gas source contains at least one liquified gas or supercritical carbon dioxide, where the first stage gas source is capable of providing a sufficient quantity of gas at a sufficiently high temperature to vaporize at least a portion of the liquified gas or supercritical carbon dioxide in the second stage gas source, thereby producing a fire suppressing gaseous output, which exits the device through the outlet for dispersing gas, in an amount sufficient to at least partially suppress a fire. At least one of the pyrotechnic gas generating material, the liquified gas, and the supercritical carbon dioxide is mixed with or includes at least one fire suppressant material selected from the group consisting of elemental halogens and alkali metal halides.

IPC 8 full level
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Cited by
CN109796292A; CN111875455A; CN109053341A

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