

Title (en)

Method to deliver a gas with an anti-theft function and relative device

Title (de)

Verfahren und Vorrichtung zur Abgabe von Gas mit Antidiebstahlfunktion

Title (fr)

Méthode et appareil pour délivrer un gaz avec une fonction anti-voleur

Publication

**EP 0726550 A1 19960814 (EN)**

Application

**EP 96101057 A 19960125**

Priority

IT UD950018 A 19950210

Abstract (en)

Method to deliver a gas in the form of smoke with an anti-theft function, the method being suitable to deliver quickly a required quantity of vaporised substance having the appearance of smoke (25), the method using as a starting substance a liquid substance (16) contained within first container means (11), the vaporisation of the liquid substance (16) taking place by heat exchange, at least one ignition source (15) being activated upon the signalling that an intrusion has taken place, the ignition source (15) causing the start-up of a reaction or combustion of a combustible/ combustion-supporting mixture (17) positioned within second container means (14), the increase of temperature due to this reaction or combustion causing the transfer of the liquid substance (16) at least to the vicinity of the outer sidewall of the second container means (14) with a resulting transfer of heat and progressive vaporisation of the liquid substance (16), this reaction or combustion of the combustible/ combustion-supporting mixture (17) providing all the thermal energy required for completion of at least one cycle of use of the device (10), this cycle of use ending with the complete exhaustion of the combustible/combustion-supporting mixture (17) and/or of the liquid substance (16). Device to deliver a gas with an anti-theft function, the device being suitable to deliver quickly a required quantity of a vaporised substance having the appearance of smoke and comprising at least one signalling source connected to activation means (18, 20, 21), the activation means (18, 20, 21) advantageously forming part of a conventional anti-intrusion security system, there being included at least first container means (11) containing in the liquid state the substance (16) to be vaporised and to be delivered in the form of smoke, the vaporisation of the liquid substance (16) taking place by heat exchange, device comprising second container means (14) containing a combustible/combustion-supporting mixture (17) cooperating with an ignition source (15), the second container means (14) cooperating peripherally with means to heat the liquid substance (16) in the vicinity of the outer sidewall of the second container means (14), these heating means cooperating with at least one outlet (24) for the substance in the state of a vapour in the form of smoke (25). <IMAGE>

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CPC (source: EP)

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Citation (search report)

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- [YA] US 4818843 A 19890404 - SWIATOSZ EDMUND [US]

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