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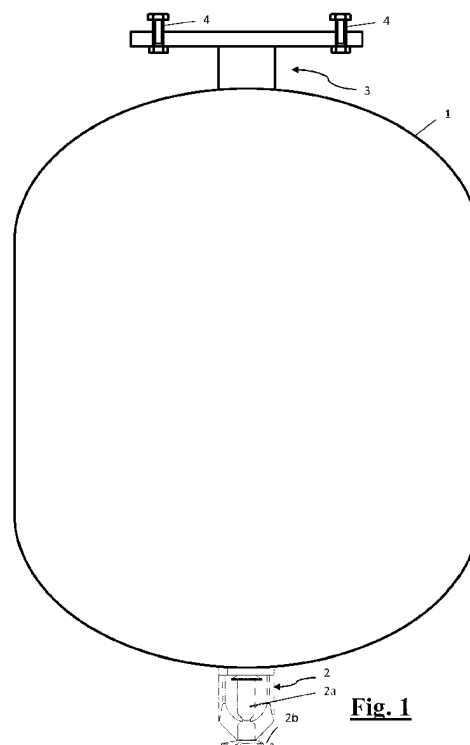
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(54) **FIRE PROTECTION DEVICE**

(57) The present invention relates to a fire protection device with, in each room, an extinguishing unit (1, 2, 3) with an extinguishing agent reservoir (1) activatable by a detecting means; an extinguishing agent with at least one additive that comprises a plant extract and/or a mineral salt of an acid, preferably extinguishing foam; a fire protection device comprising an actuator (10)-(40) in order to break a breakable activation or detection element (2a) of an extinguishing or alarm device and/or a sensor unit assembled by selecting one or more desired sensor modules from a number of available sensor modules, and/or a sensor designed to detect the presence of substances in the air and to evaluate the harmfulness thereof.





## EUROPEAN SEARCH REPORT

Application Number

EP 20 21 7871

## DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	JP 2012 192012 A (NOHMI BOSAI LTD) 11 October 2012 (2012-10-11)	1-4, 6, 7	INV. A62C35/10
Y	* abstract; figures * -----	13-15	A62C37/14 A62C37/40
Y	KR 101 995 990 B1 (JOONGANG ENGINEER CO LTD [KR]) 3 July 2019 (2019-07-03) * paragraph [0029] - paragraph [0068] * * figures * -----	13-15	
			TECHNICAL FIELDS SEARCHED (IPC)
			A62C
2 The present search report has been drawn up for all claims			
Place of search <b>The Hague</b>		Date of completion of the search <b>27 September 2021</b>	Examiner <b>Nehrdich, Martin</b>
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			

EPO FORM 1503 03.82 (P04C01)



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**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

**see sheet B**

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

**1-4, 6, 7, 13-15**

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



# LACK OF UNITY OF INVENTION SHEET B

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-4, 6, 7, 13-15

a fire fighting device

1.1. claims: 3, 6

an extinguishing head

1.2. claim: 4

pressure within the extinguishant reservoir

1.3. claims: 2, 7

protecting multiple rooms

1.4. claims: 13-15

breakable activator/detector

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2. claim: 5

spuitelement

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3. claims: 8-12

blusmiddel

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4. claims: 16-23

modular sensor units

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5. claims: 24-29

sensor units detecting air borne particles.

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Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

27-09-2021

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
<b>JP 2012192012 A</b>	<b>11-10-2012</b>	<b>JP 5766984 B2</b>	<b>19-08-2015</b>
		<b>JP 2012192012 A</b>	<b>11-10-2012</b>
<hr/>			
<b>KR 101995990 B1</b>	<b>03-07-2019</b>	<b>NONE</b>	
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82