



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
26.10.2022 Bulletin 2022/43

(51) International Patent Classification (IPC):
G07D 11/225 ^(2019.01) **G07F 19/00** ^(2006.01)
G07D 11/125 ^(2019.01) **G07G 1/00** ^(2006.01)

(43) Date of publication A2:
01.06.2022 Bulletin 2022/22

(52) Cooperative Patent Classification (CPC):
G07G 1/0027; G07D 11/125; G07D 11/225;
G07F 19/205; G07F 19/207

(21) Application number: **22163485.0**

(22) Date of filing: **22.03.2022**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME
Designated Validation States:
KH MA MD TN

(71) Applicant: **M.I.B. S.r.L.**
20121 Milan (IT)

(72) Inventor: **FUMANELLI, Giuseppe Ezio**
20066 Melzo (Milan) (IT)

(74) Representative: **Lunati & Mazzoni S.r.L.**
Via Carlo Pisacane, 36
20129 Milano (IT)

(30) Priority: **21.12.2021 IT 202100031943**

(54) **BANKNOTE DRAWER FOR BANKNOTES OR VALUES FOR ATM OR BANCOMAT**

(57) It is provided a banknote drawer (1) for banknotes (55) for Bancomat, ATM and similar (50), comprising a safe (51) including a rack (53) for at least one said banknote drawer (1), the banknote drawer (1) defining an inner volume (1c) and comprising: at least a first container (2) disposed in the inner volume (1c) and comprising an internal portion (2a) facing the banknotes (55), and permeable to fluids, at least a second container (22) configured to contain marking fluid, fluid-tight and contained in the first container (2), break-in sensor means (6) suitable for detecting break-in attempts, active

break-in means (4) comprising a plurality of gas generators (40) disposed in proximity to the second container (22) and suitable for breaking, when activated, the second container (22), so as to project the marking fluid onto the banknotes (55), the gas generators (40) being operable by means of an electric current, the banknote drawer (1) the active breaking means (4), comprising a control electronics (41), configured to provide, on command, electric current in sequence to each individual said gas generator (40), so as to so activate said gas generators (40) in sequence.

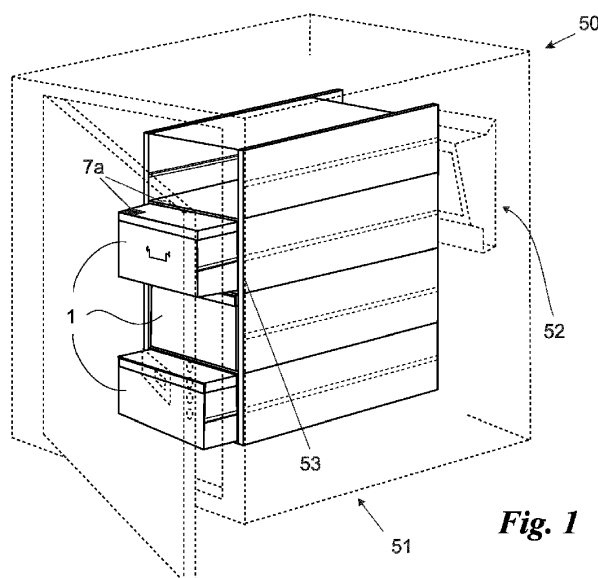


Fig. 1



EUROPEAN SEARCH REPORT

Application Number

EP 22 16 3485

5

10

15

20

25

30

35

40

45

50

55

1

EPO FORM 1503 03.82 (P04C01)

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2015/191960 A1 (ROBSON MICHAEL DONALD [ZA]) 9 July 2015 (2015-07-09) * paragraphs [0052] - [0085] * * figures 1-7 *	1-9	INV. G07D11/225 G07F19/00 G07D11/125 G07G1/00
A	EP 2 510 506 A1 (SPINNAKER INT LTD [GB]) 17 October 2012 (2012-10-17) * paragraphs [0022] - [0059] * * figures 1-6 *	1-9	
A	US 2017/228957 A1 (YOKOTE TAKAMOTO [JP] ET AL) 10 August 2017 (2017-08-10) * paragraphs [0085] - [0294] * * figures 1-3, 17-24 *	1-9	
			TECHNICAL FIELDS SEARCHED (IPC)
			G07D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 9 September 2022	Examiner Bauer, Sebastian
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	

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

EP 22 16 3485

5

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.

09-09-2022

10

15

20

25

30

35

40

45

50

55

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2015191960	A1	09-07-2015	EP	2880640	A1	10-06-2015
			US	2015191960	A1	09-07-2015
			WO	2014022868	A1	06-02-2014
			ZA	201308221	B	30-07-2014
			ZA	201501355	B	27-01-2016

EP 2510506	A1	17-10-2012	DK	2510506	T3	09-01-2017
			EP	2510506	A1	17-10-2012
			ES	2607459	T3	31-03-2017
			GB	2476061	A	15-06-2011
			HR	P20161711	T1	10-02-2017
			PT	2510506	T	20-12-2016
			RU	2012126079	A	20-01-2014
WO	2011069803	A1	16-06-2011			

US 2017228957	A1	10-08-2017	BR	112017000751	A2	14-11-2017
			JP	6539983	B2	10-07-2019
			JP	2016085699	A	19-05-2016
			US	2017228957	A1	10-08-2017
			WO	2016067680	A1	06-05-2016
