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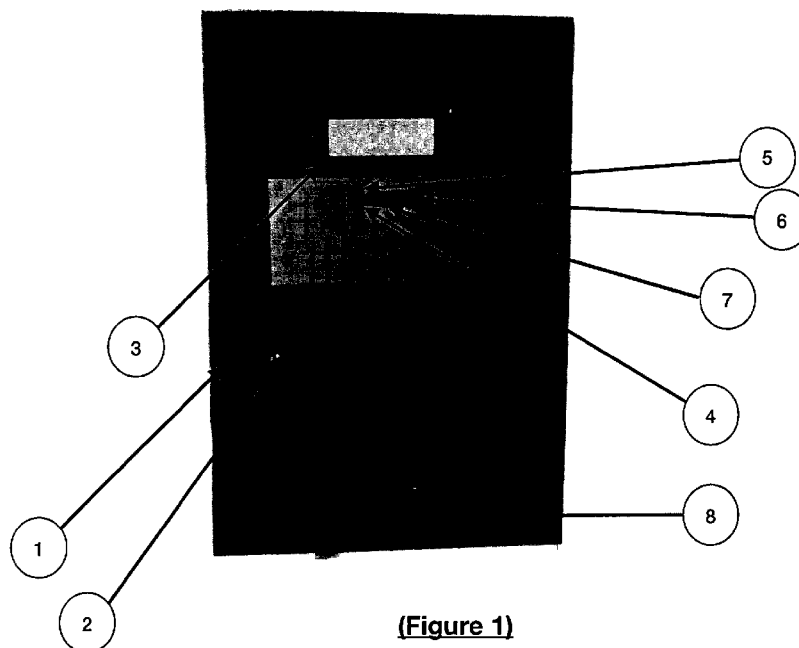
kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

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(54) Title: ELECTRONIC CONTROL PANEL FOR FIRE EXTINGUISHING BALLS

El Gendi GR1 System



(Figure 1)

(57) Abstract: The system works on various sizes of fire extinguishing balls and it is automatic and electronic. It starts with an electronic Panel (board) that is programmed and linked to any type of fire sensors and detectors, whether single or multiple, to read different fire hazards when they occur. It ends with a Pulsator (Thermal Actuator) that is fixed on fire extinguishing balls. When the Panel reads the fire hazard according to the programming, it gives a signal to the Pulsator to give a suitable temperature which is capable of activating the fire extinguishing balls automatically without the need to wait for the flame resulting from the fire hazard to touch the fire extinguishing balls to be activated as known about the mechanism of action of fire extinguishing balls and at the same time The system panel can be linked to any type of main fire alarm panels in the facility to give notification of the fire hazard and activate fire extinguishing balls.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER <i>A62C 37/11</i> (2006.01)i; <i>A62C 37/40</i> (2006.01)i According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) A62C 37/11; A62C37/40 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Fire extinguishing, fire detector, fire extinguishing ball Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Espacenet, Google scholar, Google patents, Patentscope		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TR 201701594 A2 (YG YANGIN GUEVENLIGI SANAYI VE DIS TICARET LTD SIRKETI [TR]) 21 July 2017 (2017-07-21) Abstract, Paragraph (1, 6-7, 10-11), claim (1, 3, 5, 8), Figure (1, 2)	1 - 3
X	WO 2013022150 A1 (SEOHAN F & C CO LTD [KR]) 14 February 2013 (2013-02-14) abstract, claim 1	1, 3
X	CN 114788939 A (WANG XU) 26 July 2022 (2022-07-26) Paragraph (5, 10), claim 1	1 - 3
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
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Date of the actual completion of the international search 02 January 2025		Date of mailing of the international search report 20 January 2025
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INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
TR	201701594	A2	21 July 2017	WO	2018143902	A1	09 August 2018
WO	2013022150	A1	14 February 2013	KR	20130018596	A	25 February 2013
				KR	101377693	B1	27 March 2014
CN	114788939	A	26 July 2022	NONE			