

## **Specification of Automatic Fire Extinguishing Material**

### **“Elide Fire Extinguishing Ball”**

Fire is a disaster causing damage to life and property of the public very much, the huge amount of loss of life and property as well as the economic and social impact of many countries. It's considered to be primary of the disaster to affecting the country.

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| No.1 | Caused by a short circuit.                       |
| No.2 | Discarded cigarette by do not extinguished fire. |
| No.3 | Gas leak as causes of fire.                      |
| No.4 | Heating.   |
| No.5 | Friction.  |

The growths of urban community in the country are likely to be growing rapidly. Since the industry was driven mainly by exports to increase revenue of the country, making the workers in rural areas poured into urban and surrounding communities, causing congestion of the community's lack of proper planning in the past. It makes the factors degrading the environment, problems in social, economic and the living conditions of the people are not appropriate or it's less security measures. One of the main problems is the risk of fire, due to overcrowding; the community will have to use a lot more electricity.

Because of these problems, the research has come up with a new invention to protect public property. And then an automatic fire extinguishing material "Elide Fire Extinguishing Ball" technology was created and has quality testing more than 50,000 times to ensure that the new invention, it can be extinguished fire. Finally, this invention has won 5 Gold Medals of World Class Awards and 1 Bronze Medal of World Genius Invention; Gold Medal Award from Eureka, European Union, Bronze Medal of Genius Award from Japan, Gold Medal WIPO Award, Gold Medal KIPA Award from South Korea, Gold Medal from Federal Agency for Science and Innovations of Russian Federation and National Research Council of Thailand. It also has patented a new invention in the field of saving people lives all over the world such as Thai Invention Patent No. 18966, USA Patent No. US 6796382, Chinese Invention Patent No. ZL02829433.5, European Patent No. EP2160233, Eurasian Patent No. 013558 (Former Soviet Union) and other countries around the world and also registered trademarks of Elide Fire throughout the world.

Automatic Fire Extinguishing Material “Elide Fire Extinguishing Ball” has been tested standard of many countries, such as Product Standards GOST-R from Russia, Standard CE NB 1395 and other countries including Thailand, to install for surveillance of short circuit in class C\* very well. In additional to extinguished in class C\* fire, it also extinguished in class A\* fire and surveillance in class B\* fire as well, with the specification as following;

- (1) This new type of Automatic Fire Extinguishing Material “Elide Fire Extinguishing Ball” will have a loud noise as Impulse Noise of 120-139 db(A) when its activated to let those who is in the scene know that there are fire happened. By those in the community can be help to bring this new type of fire extinguishing ball throwing or toys into the fire, which it can be used for both elderly children and women, by those in the scenes know and be able to survive from a fire.

- (2) This new type of Automatic Fire Extinguishing Material “Elide Fire Extinguishing Ball” must be able to surveillance the fire automatically, to prevent a short circuit or the case of point the candles to pay homage and then forget it. This new device will put out the fire automatically by effectively and safely.
- (3) This new type of Automatic Fire Extinguishing Material “Elide Fire Extinguishing Ball” must have a certified letter from the manufacturer who has been certified with ISO 9001: 2008. This new device has life span for 5 years and not requires to maintenance during lifetime with installing accordance with the standards by the Notified Body 1395 CE marking standards of the European Union.

It can be extinguished fire and surveillance for 3 fire classes as following;

- A\* meaning Fire extinguished class A\* and surveillance class A\* that is fire occur from a solid such as wood, paper, clothing and plastics etc.
- B\* meaning Fire surveillance class B\* (Liquid materials.) Class B is fire caused by fuel in a liquid such as fuel flammable/non-flammable and gas.
- C\* meaning Fire surveillance class C\* a short circuit to be flame/fire and Elide Fire Extinguishing Ball automatic fire surveillance of class C that is fire caused by solid with flow of electricity such as all kinds of electrical and electronic equipment.

\*\* Classes B\*, C\* and electricity is used to surveillance fire only. \*\*

Automatic Fire Extinguishing Material “Elide Fire Extinguishing Ball” is new technology for installation of fire surveillance in building, risk room and short circuit; it also can be thrown into the fire, users no need to face the heat of the fire and safe for the general public at the scene can be throwing or toy it into the fire before fire engine truck will come which they may be delayed. Due to the big cities around the world, there are a lot of cars and dense traffic. The fire department had to rely on the people who are on the scene to extinguish the fire at initial stage before the fire to extend as a big fire and have damages. Therefore, Elide Fire Ball invention was made to stop the damage caused by the fire.

There are real fire situation in Turkey, fire occurred on 11th floor existed by the explosion of oxygen tube in Pulmonary Diseases Department in Erciyes University (ERU), Medical Faculty, Gevher Nesibe Hospital, fire quickly in the chemical room. Fortunately, the University has bought some Elide Fire Ball, they has thrown into the fire. The fire was extinguished within 11 minutes, making it possible to save lives for doctor and nurse more than 54 people. After that Prof. Dr. Kudret Dogru, Head of Doctor has a press conference to thank you Elide Fire Ball.