

## **AUTOMATIC FIRE QUENCHING SYSTEM**

**(A: F: Q SYSTEM)**

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I want to use this medium to appreciate the organisation of this essay competition for giving me the opportunity to express my innovative ability.

What inspired me to come up with this invention is the usual experience of fire outbreak in homes. While it is true that man has propounded a solution in the form of the "fire alarm" and "fire fighting organisations", it is glaring that none of these have been maximally effective giving rise to the thirst for a solution that could automatically control if not put an end to fire outbreak in homes and offices even in the absence of individuals. Therefore introducing to you the AUTOMATIC FIRE QUENCHING SYSTEM. A .F.Q system or A.F.Q.S in short.

"A.F.Q.S" is a system consisting of simple but reliable technologies. In details, A.F.Q.S consists of a medium to large sized fire extinguisher, pipes, automatic system, fire sensors and rotators. It works in this way.

A fire sensor consisting of a sensitive metal expands upon heating (i.e. fire occurrence) and bends backwards to touch a button which allows electricity to get to the automatic system. This unlocks the fire extinguisher, the propellant (liquid) is released into pipes which transports it to the rotators positioned at the four corner of the room near the roof. The rotators are engines that release the propellant while rotating its spread so as to reach every area within its reach. This propellant quenches the fire or controls it till it is finally put out.

The A.F.Q.S can be installed anywhere there are chances of fire outbreak occurrence precisely, in a residential house, it can be installed "at least" in the kitchen. Also a warehouse would benefit greatly from this invention. The most striking advantage is that once installed, it operates with or without the presence of the owner; therefore,

individuals can assuredly leave their homes knowing that if a fire outbreak should occur, the A.F.Q. system could take care of it in an effective way.

Another advantage is that, it serves as a new innovation and as advancement to insurance companies. Warehouse owners and firms do not need to worry once they have installed the A.F.Q. system as it helps to reduce destruction of goods under their care by fire. The A.F.Q. systems relieves fire fighters a lot of work done in trying to put out wild fires etc. I believe beyond any reasonable doubt that this invention would make the world a better place to live in.

In conclusion, if I could invent something new and stand the chance to win five million naira scholarship and a million naira grant for my school, I would invent the safety miracle in the name of the AUTOMATIC FIRE QUENCHING SYSTEM. Thanks once again for the opportunity to write about my invention, I hope to see the realisation of this dream.