

Vacuum Defense Shield

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ABSTRACT

Now a days we are facing the threat of wars due to the mis -understanding between two countries for any reason. And we all know that each country had dangerous nuclear missiles. And some countries like Korea had hydrogen missile also that is very dangerous because if that missile is hit some place there is many hazardous effects of that. For that developed countries like India and etc. had antiballistic missile system which is working efficiently but major drawback of that is their cost. We are interested to develop easy construction which is cost efficient as well as we can return back their coming missile and bullet to them only. We designed this simply by creating vacuum to that particular area only. Construction for creating vacuum is simply connecting the electric motor to suction fan which will create required amount of pressure for sucking the upcoming object towards it. Whatever electricity required for it we can easily create through pyrolysis system of electricity generation. In which we can produce the electricity through the plastic waste or any other dangerous pollutants.

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I. INTRODUCTION

We all know in day to day life the level of the pollution increases in every field like household applications, industries and all our basic things are mainly made up of plastic, rubber and other pollutants which are hard to demolish. Because these ingredients are required more than 10 years to degrade and they are useless to us. Hence if we can use to generate electricity then we can easily degrade these components as well as we can save the cost of electricity which is required to us. This generation is called pyrolysis system in which we heat the components like plastic, tire tubes of the vehicle, etc. for generate required amount of heat and rather we convert heat energy to electrical system. [1] Provides the regarding information of the pyrolysis system. Now we have required the motor for creating the liable amount of rotation for suction fan which will be able to suck the pressure. There are many types of motors are available in markets as per required applications as well as cost, but we require motor which has minimum losses at the cold and hot surfaces because we are designing this shield for the border and we have Siachen border which had extremely cold conditions up to -7 degree Celsius and this condition there is hard to perform the any types of conditions hence we are interested to using step 4118 series motor and main problem of extreme

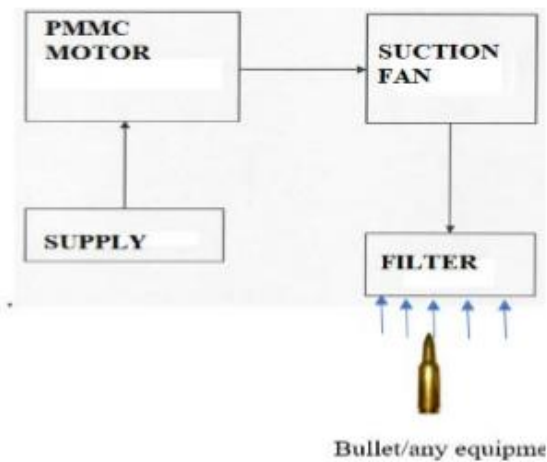
cold condition is oxygen plays magnetic behavior by considering these conditions we are using this motor which is efficient at extreme hot as well as cold condition. [2] provides all the required information regarding this. Now our next necessity is suction fan for creating the vacuum which is easily suck the upcoming obstacle like bullet, missile etc. can be easily diverted by its path. The suction fan have many types of designs as per the applications we sees in day to day life for the conditioning system the design of the fan blades are designed as per the inner side of the room due to this they are able to suck the air inside the room hence like this we have to design for large amount of area as well as the pressure depending upon the force of the missiles. Hence the suction fan blades design will be pointed outward which is bend exactly 45 degree to the other one and now this blade is able to suck more amount of air towards it. [3] This paper had contained the all the information about the blade design and their performance to the particular motor also. This information is helpful to design the perfect suction blade and also get the material information of the blade. We are going to build system which will suck all the coming missiles and other dangerous equipment's. For building this system we have to learn firstly the force of those equipment's like bullet has force up to 2000 m/sec. For attracting this forced bullet, we have created the pressure through the suction fan which is

interfaced with the motor. All the required information of forces of defense equipment's were taken from [4]. This paper conducts all the necessary forces which are necessary.

II Brief Information About Proposed Model

A. Working Of Model On the border mostly the the enemy side bombard the missiles or tank or long range moving missiles for more damage so we are going to divert their force on the border itself with the help of the vacuum. We can do this by creating sufficient amount of vacuum which will able to suck all the coming enemy equipment. Our model is similar to the construction of vacuum cleaner which suck the air. Like that only we are interfacing the pmmc motor with suction fan .We are using the pmmc motor here due to the reason of the magnetic behaviour of oxygen. Oxygen behaves magnetically at extreme cold conditions or extreme hot conditions which may result into the current or power losses in that line. Like that this motor is able to give continious sufficient amount of speed which is essential to rotate the suction fan. Suction fan is here important to suck the surrounding air for creating sufficient amount of vacuum which will create the blackout region upto the required range and any equipment which is passing near to that range is easily attracted towards that range. And in that region any activity is imposible to workout there. The design of the suction fan plate is 135 degree towards the motor for sucking the air. Now main problem is stop the missiles or other equipments coming towards the motor with the help of iron fence. Due to the fence all the equipments are stop their only. After stoping the equipments we can easily save the future damage upto same percentage.

B. Block Diagram Of Proposed Model



III. Conclusion

This paper presented a systematic literature review about the applications of vacuum d shield in defense system. We are heartily trying to save money of Indian government as well lives of not only solider but also innocent people who are got under such a bloody enemy attacks by creating this defense with the use of vacuum applications which has its own field which is invisible to the radar system and easily identify the upcoming equipment's with their vacuum force.

IV Acknowledgement

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