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Patent Search

Invention Title	SYSTEM FOR EVAPORATIVE EMISSION CONTROL IN TWO WHEELER GASOLINE FUEL TANK
Publication Number	02/2020
Publication Date	10/01/2020
Publication Type	INA
Application Number	201821025266
Application Filing Date	06/07/2018
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	MECHANICAL ENGINEERING
Classification (IPC)	F02M0025080000,B60K0015030000,F02M0037000000,B60K0015077000,F01N0003080000

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Abstract:

Present invention provides a system to control evaporative emission of fuel in two wheeler gasoline fuel tank. The proposed system uses diaphragm which divides fuel into two separate sections. By making changes in two wheeler gasoline fuel tank one can achieve to control emission of fuel due to radiation, separation of unsaturated surface, effect of kinetic energy due to acceleration and deceleration. This evaporative emission control system is very useful in automobile industry to increase production. Following (space) invention is described in detail with the help of Figure 1 of sheet 1 showing 3K evaporative emission control system in two wheeler gasoline fuel tank.

Complete Specification

Claims: We claim:-

1. System for evaporative emission control in two wheeler gasoline fuel tank comprises of diaphragm, foldable pipe, fuel tank, vertical recess and valve
2. Accordingly as claimed in claim 1 wherein diaphragm is free to move in up and down direction to divide saturated air and fuel filled section in order to control emission of fuel caused by radiation.
3. Accordingly as claimed in claim 1 wherein said fuel tank is divided into two separate sections.
4. Accordingly as claimed in claim 1 characterized in that;

fuel enters into the fuel tank through opening (6) and fuel flows through the foldable pipe (1);
 due to pressure difference non return valve (8) opens and fuel (4) enters into tank;
 as per quantity of fuel enters, float (7) adjusted its position thus diaphragm (2) also takes position by moving up and down through vertical recess (5);
 thus due to this arrangement unsaturated air is not in contact with fuel surface and thus it helps predominantly to reduce evaporative emission by radiation.

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Page last updated on: 26/06/2019