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Patent Search

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Abstract:

Present invention provides an inexpensive, portable system for collection of garbage in passenger vehicles. The invention is basically in the form of a box, placed at the present near the passenger seats. Whereas the process comprises of few steps, firstly open the shutter which makes the gear to rotate and it is connected to the mechanism and hence when the shutter is fully opened the metal platform will be on the horizontal position and the waste can be put into it and again slide the shutter back and the window. Then the waste will travel through the hollow cavity to the collection chamber. Following invention is described in detail with the help of Figure 1 of sheet 1 of the cross sectional front view of the invention, Figure 2 of sheet 1 showing side cross-sectional view of the GTV and Figure 3 of sheet 2 showing the flow chart.

Complete Specification

Claims:We claim:-

1. System for garbage collection in passenger vehicles comprises of frames, metal grills, sensing unit, shutter slider arrangement, metal platform, gear, chamber, lock, handle, wheel, supporting rod, controller, sensor and Garbage transporting vehicle (GTV) characterized in that;

shutter slider arrangement is provided at the upper surface below which a baffle like structure is given to direct the garbage falling through out;

after this, the sliding shutter, a gear is present over which the shutter is going to slide up through the guide ways provided over there attached to the gear, there is a platform fixed which moves in synchronized manner with the sliding shutter; as the shutter gets opened, the metal platform come on the upper side (in the horizontal position) on which the garbage fall and thereafter as the shutter gets close, the metal platform come to its original position;

below this, there is a garbage collection chamber for collecting the waste; and just above the garbage collection chamber there is a one sensing element to detect the presence of the waste and the system will send the signal to the responsible authorities for cleaning purpose.

2. Accordingly as claimed in claim 1 wherein at the down side of the sumn the opening is provided which is called a gateway for the removal of the waste from the

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