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(57) Abstract :

Nowadays, puncture in tire is a common unpredictable situation happened to a vehicle in any type of road due to iron nails, and sharp iron thin objects lying on the road. This invention relates to avoid puncture of light weight vehicles causing due to iron nails and very small sharp iron thin objects lying on roads when the vehicle runs over it. Generally, in local roads and highways when a vehicle is in motion, it is very difficult for a driver to see very small objects like iron nails, small sharpen iron pieces lying on the road. Therefore, when the vehicle wheels run over these materials, probability of puncture may be there in the tires, if these pieces will be inserted into the tires due to heavy frictional force applied on it through the wheel due to motion. This invention tries to find a solution for avoiding puncture in the tire of a light weight vehicle by using a smart device in the vehicle. The smart device is able to collect the iron nails and small sharp iron objects, before the vehicle wheels run over this.

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