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(57) Abstract :

ABSTRACT The present invention relates to a rapid response safety system for vehicles, wherein the system responds to sudden change in the vehicles™ path such as the detection of intruder or a wild animal and further respond to the situation by sounding an alarm or flashing lights to authorized persons while tracking the intruder or a wild animal presence on the path by continuous video monitoring. In particular the present invention provides for a system to prevent train accident involving wild animals on the railway track, thus saving them while still protecting the infrastructure and timing schedule at the railways.

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Abstract:

ABSTRACT The present invention relates to a rapid response safety system for vehicles, wherein the system responds to sudden change in the vehicles' path such as the de
of intruder or a wild animal and further respond to the situation by sounding an alarm or flashing lights to authorized persons while tracking the intruder or a wild animal
presence on the path by continuous video monitoring. In particular the present invention provides for a system to prevent train accident involving wild animals on the railw
track, thus saving them while still protecting the infrastructure and timing schedule at the railways.

Complete Specification

Claims:We claim,

1)   A rapid response safety system for vehicles, wherein the system comprises of advanced microcontroller, power supply, high speed cameras, electronics crackers, mi
rocket launchers, buzzer and LCD that allows the system to detect and respond to continuous and/or rapid change in the path of a vehicle.

2)   A rapid response safety system for vehicles, wherein the system allows a combination of integrated assemblies comprising of hardware such as advanced
microcontroller, power supply, high speed cameras, electronic crackers, mini rocket launchers, buzzer and LCD; that in turn activates software such as Embedded C, Keil
ISP or U-Flash and fast image processing algorithms, which enables constant monitoring of rapid change in the path of a vehicle and further automatically activates in ca
any change or obstruction in path are sensed.

3)   A rapid response safety system for vehicles as claimed in claim 1 and 2, wherein the system detects the intruder or a wild animal on the path and further respond to
the situation by sounding an alarm or flashing lights to authorized persons while tracking the intruder or a wild animal presence on the path by continuously video
monitoring.

4)   A rapid response safety system for vehicles as claimed in preceding claims, wherein the system provides,

i)   identifying the kind of animals using fast image processing algorithms

ii)   hound the animals from the track and

iii)   enabling warning signal.

5)   A rapid response safety system for vehicles as claimed in preceding claims, wherein the system produces natural sounds that irritates or alerts the animals or intrud

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