

A VARIABLE BEHAVIOUR CONTROL MECHANISM FOR A MOTIVE SYSTEM

ABSTRACT

Described herein is a variable behaviour control mechanism with a variety of motion characteristics, the mechanism comprising means to measure a plurality of motion characteristics and, where the mechanism activates when a threshold is reached to complete some manner of movement or movement prevention in response to the mechanism dynamics of movement, activation only occurring as a result of a plurality of characteristic of motion. The mechanism described is comparatively more complicated than art single motion characteristic measurement system like a vehicle seat belt and as a result may be used to for example, minimise or prevent unwanted activation yet operate with great accuracy when activation is required. A first mechanism is described where activation occurs between the at least one primary system and at least one secondary system when a combination of the sensed motion characteristics achieves a threshold. A second mechanism is described where activation occurs between the at least one primary system and at least one secondary system when at least one sensed motion characteristic achieves a threshold, the threshold being modified based on at least one further motion characteristic. A method of use of the above mechanisms is also described.

FIGURE 1