

(54) Title of the invention : APPARATUS AND METHOD FOR AVOIDING COLLISION BETWEEN DOOR AND MOVING OBJECTS

(51) International classification	:G06K0009000000, B60W0030160000, G01S0005140000, G08G0001160000, H04W0004800000	(71) <b>Name of Applicant :</b> <b>1)Chitkara Innovation Incubator Foundation</b> Address of Applicant :SCO: 160-161, Sector - 9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)MITTAL, Sonam</b>
(33) Name of priority country	:NA	<b>2)SINGLA, Manish</b>
(86) International Application No	:NA	<b>3)CHOPRA, Harsh</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

The present disclosure relates to an apparatus (100) to prevent collision in a vehicle, the apparatus includes one or more sensors (102, 104) in a vehicle generates a set of signals of the one or more moving objects (112) detected in the vicinity of the vehicle. A controller configured to receive, from the one or more sensors, the set of signals of the one or more moving objects. The controller extract, the set of parameters pertaining to any or a combination of distance and speed of the one or more moving objects, and compare, the set of parameters with reference set of parameters to extract a set of values, wherein based on the extracted set of values, the controller is configured to transmit an actuation signal to an ECU (108) to control the door of the vehicle.

No. of Pages : 18 No. of Claims : 9