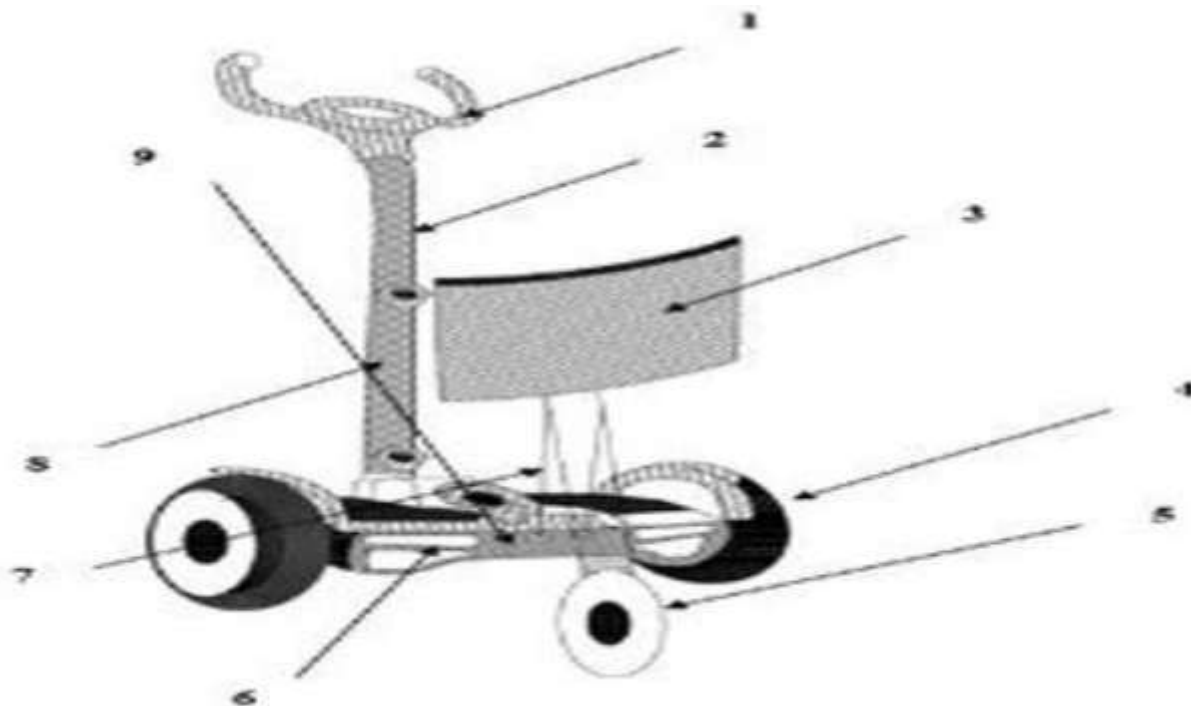


(54) Title of the invention : SELF-BALANCING VEHICLE

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(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Vishal Kashyap
(33) Name of priority country	:NA	2)Sayantan
(86) International Application No	:NA	3)Suraj Gupta
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(57) Abstract :

The present invention relates to a self-balancing vehicle, comprising of a base board 6 made up of aluminum, constructed to allow user to stand on it, a handle bar 1 mounted on front portion of the base board 6 to allow user to maintain its balance during vehicle operation, a backrest 3 mounted on rear portion 9 of the base board 6 to support the user from inertial force, at least one retractable wheel 5 pivoted to the connecting rod 7 of the backrest 3 to provide support to the vehicle when it gets misbalanced, at least one accelerometer fitted on the base board to determine leaning angle of the vehicle, a logic board embodied in the base board to receive data from accelerometer and carry out computation in real time.



No. of Pages : 12 No. of Claims : 7