

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911033206 A

(19) INDIA

(22) Date of filing of Application :16/08/2019

(43) Publication Date : 19/02/2021

(54) Title of the invention : A SYSTEM, SMART WALKING STICK AND METHOD FOR GUIDING A USER

(51) International classification	:A61H0003060000, B62D0015020000, A61H0003040000, B64D0045000000, G01C0021200000	(71) Name of Applicant : 1)Chitkara Innovation Incubator Foundation Address of Applicant :SCO: 160-161, Sector -9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India
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(33) Name of priority country	:NA	2)BHUSHAN, Megha
(86) International Application No	:NA	3)KANUPRIYA
Filing Date	:NA	4)SHARMA, Shagun
(87) International Publication No	: NA	5)NANDA, Mamta
(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 provides a system, smart walking stick and method for guiding a user. The system includes: a walking stick; wheels fitted to walking stick; a rotary device operatively coupled to wheels, and configured to control steering and movement of wheels; a recording unit attached to walking stick, and configured to record surrounding premises of user to generate data packets in real-time; and a control unit operatively coupled to recording unit. The control unit is configured to: identify obstacles selected from any of static obstacles and dynamic obstacles based on generated data packets; obtain attributes associated with identified attributes; control direction of rotation of rotary device to control steering and movement of the wheels based on obtained attributes of identified obstacles; and guide user holding walking stick to an obstacle free path based on controlling of wheels to prevent collision of user with identified obstacles.



No. of Pages : 32 No. of Claims : 10