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(54) Title of the invention : INTERACTIVE WALKING ASSISTANCE DEVICE FOR TODDLERS

(51) International classification	:A61H0003000000, A45C0013260000, A61K0051080000, A63B0071000000, G16H0050200000	(71)Name of Applicant : <b>1)Chandigarh Group of Colleges, Jhanjeri</b> Address of Applicant :State Highway 12A Jhanjeri, Sahibzada, Ajit Singh Nagar, Punjab 140307, India. Punjab India
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(57) Abstract :

An interactive walking assistance device for toddlers, comprises body 1 having first 2 and second portion 3, multiple primary AI (Artificial Intelligence) based imaging units 4 are attached on the body 1 for detecting movement of toddlers attempting to hold handle 5, retractable rod 6 is attached with handle 5 for changing configuration of handle 5 according to output generated by imaging units 4, multiple wheels 8 are attached within second portion 3 for providing support , when toddler holds handle 5 and attempts to walk, microcontroller deactivates wheels 8 when toddler attempt to stand up by holding handle 5, ultrasonic sensor 9 sync with secondary imaging unit 10 is attached on first portion 2 of body 1 for detecting obstacles on the toddler's path movement and inflatable cushion 11 is attached on second portion 3 for reducing physical impact caused to toddler during accidental fall while moving.

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