(54) Title of the invention : WALKING ASSISTANCE DEVICE

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(57) Abstract :

A walking assistance device, comprising of a pair of elongated wearable bodies 1 adapted to position over a calf region of a user's leg and second portion 3 is adapted to accommodate at ankle of user, a pair of threads 4 having a primary 5 and secondary end 6 and configured with a motorized roller positioned and connected with a spring 7 that expands/compresses during walking of user to redistribute weight, an artificial intelligence image capturing module 8 for detecting surface on which user is walking along with positions of steps taken by user and activates roller to rotate in clock-wise direction to expand spring 7 , and a voice module 9 in synchronization with a vibrating unit 10 to generate voice commands and vibrating unit 10 produces vibrations to notify user regarding alteration in direction on a path user is walking.

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