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(57) Abstract :

A skating assistive device comprises of a pair of circular body 1 configured with blocks 2 utilized by user to position foot, a pair of motorized wheels 3 attached to bodies 1 maneuver device as per requirement of user, a strap 4 configured with blocks 2 for securing user's feet over blocks 2, a pair of motorized clamps 5 installed over each block 2 for gripping user calf's portion, a computing unit linked with microcontroller accessed by user for selecting destination to travel and speed of skating, an artificial intelligence enabled image capturing module 6 detects presence of obstacle in a path for actuating a speaker 7 for alerting user, a pair of electromagnets fabricated on outer periphery of bodies 1 get energized to attached bodies 1 for providing passage to narrow path and a pressure sensor detects pressure exerted by user over blocks 2 for stopping device.

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