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| (31) Priority Document No | :NA | (72) Name of Inventor : |
| (32) Priority Date | :NA | 1)Malika Arora |
| (33) Name of priority country | :NA | 2)Richa Mehta |
| (86) International Application No | :NA | 3)Sonia Bhukra |
| Filing Date | :NA | 4)Amarjeet Kaur |
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(57) Abstract :

The present invention relates to an assistive device for swimming comprising of a wearable body equipped over a user's hand while swimming having plurality of openings 1 that adapt to accommodate the fingers, an artificial intelligence enabled image capturing module 5 linked to a microcontroller is configured on one of the openings 1 for capturing images to determine the body posture, a temperature sensor 7 is installed on the body for monitoring the temperature of the surroundings, an accelerometer 6 is fabricated on the body for detecting the user's swimming speed, a plurality of linear actuators 2 are arranged between the openings 1 for increasing or decreasing the user's speed and a pair of roller 4 wrapped with a cut resistant sheet 9 are assembled on the body for protecting the body from sharp objects present in the surrounding.

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