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(57) Abstract :

An anti-drowning life saving system, comprising an inverted L-shaped frame 1 assembled on a water vehicle, a suction unit 4 that affixes with vehicle for providing stability to frame 1 on vehicle, an artificial intelligence based imaging unit 5 for capturing and processing images of surroundings of vehicle to detect any person drowning in proximity to vehicle, a motorized slider 6 configured with a primary motorized roller 7 for providing movement to roller 7 towards person, a collapsible mat 9 for deploying towards person, an ultrasonic sensor for detecting distance of person from vehicle, a pneumatically operated launching unit 10 to hurl a floatable component, a rope 12 for connecting component with launching unit 10, a secondary motorized roller 11 for winding rope 12 to pull person towards vehicle in order to prevent drowning of person.

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