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(57) Abstract :

A marine propeller cleaning device comprising, a pair of cuboidal bodies 1 interconnected via multiple telescopic link rods 2 and developed to be positioned on a blade of a marine propeller, an artificial intelligence based imaging unit 5 mounted on one of bodies 1 and integrated with a processor to determine presence of rust on blade, a motorized grinding unit 6 arranged underneath each of bodies 1 for grinding rusted blade to maintain strength of blades, a vacuum based cleaning unit 7 assembled on each of bodies 1 for transferring residue generated in vicinity to bodies 1 during grinding of blades, a SONAR (Sound Navigation And Ranging) 8 assembled on bodies 1 for detecting presence of an obstacle in proximity to blade, a filter is connected between cleaning unit and receptacle for filtering separating residue.

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