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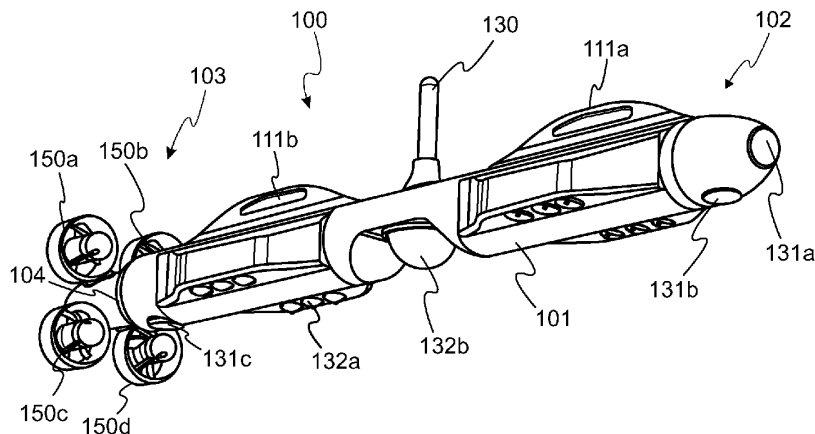


FIG. 1A

(57) Abstract: An underwater vehicle for performing subsea operations is disclosed. The underwater vehicle (100) comprises a hull (101) comprising a nose end (102) and a tail end (103); a propulsion mechanism (105) configured to propel the underwater vehicle (100); a passive joint module (104) connecting the propulsion mechanism (105) to the hull (101) at one of the tail end (103) or the nose end (102) of the hull (101); and a controller (110) in communication with the propulsion mechanism (105). The propulsion mechanism (105) comprises a pair of propulsion devices (150) configured to generate thrust to propel the underwater vehicle (100) through water, the thrust of each propulsion device (150) being independently controllable. The controller (110) is configured to control an angle at which the passive joint module (104) connects the propulsion mechanism (105) to the hull (101) through independent control of the thrust of each of the propulsion devices (150).

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