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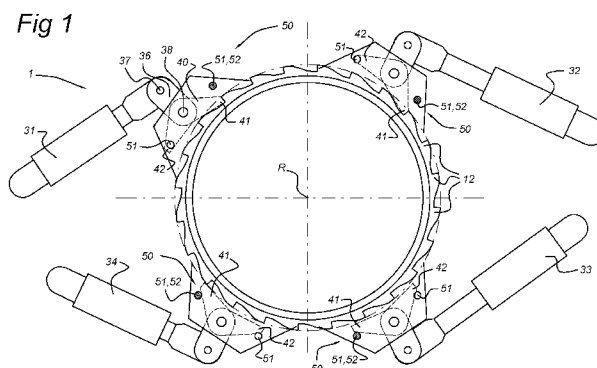
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(54) Title: REVERSIBLE ROTATION MECHANISM AND DISCHARGE ASSEMBLY FOR DISCHARGING DREDGED MATERIAL



(57) Abstract: The invention relates a reversible rotation mechanism (1) for generating a rotational motion, comprising a first and second toothed wheel (11, 12) and a plurality of actuators (31–34) are arranged to rotate the first toothed wheel (11) in a first direction and the second toothed wheel (21) in a second direction opposite to the first direction. The mechanism comprises a plurality two-ended pawls (40) connected to respective actuators (31–34), which can be positioned -in a first engaging position in which a first pawl end (41) engages with the first toothed wheel (11) which allows the respective actuators to actuate the first toothed wheel (11) in the first rotating direction, and -in a second engaging position in which the second pawl end (42) engages with the second toothed wheel (21) which allows the respective actuators to actuate the second toothed wheel (21) in the second rotating direction.

