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- (54) **Title:** SUCTION HEAD FOR A DREDGING VESSEL AND METHOD FOR DREDGING USING THIS SUCTION HEAD

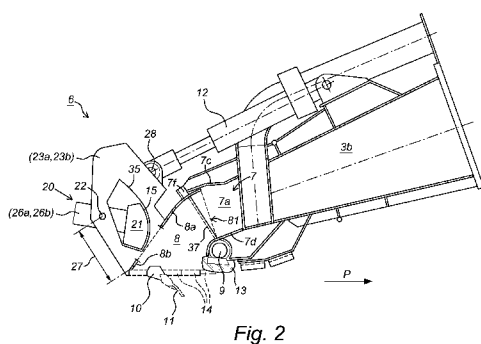


Fig. 2

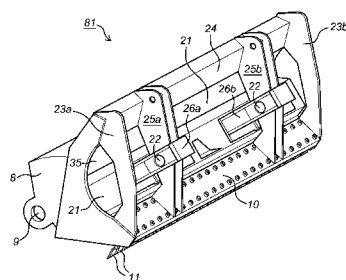


Fig. 3

(57) **Abstract:** The invention relates to a suction head (6) for a dredging vessel (1). The suction head comprises a construction (7) provided on the bottom side with a suction opening and having a connection for a suction conduit (3) of the dredging vessel (1) and a visor (81) rotatable around a shaft (9) running transversely of the direction of movement (P) between a lowered and a raised position, wherein a curved wall part (8a) of the visor (81) is slid in substantially watertight manner along a wall part (7c) of the suction head (6). The visor (81) is further provided on the bottom side thereof with a toothed beam (10) with cutting tools (11) for penetrating the bottom, and with an opening (15) in its rear wall (8b) along which surrounding water can flow into the suction head (6) and which can be closed to the surrounding water by means of a closing member (20). Bottom material, and in particular bottom material comprising clay, can be dredged in efficient manner using the suction head (6). The invention also relates to a dredging vessel (1) equipped with the suction head (6) and a method for dredging a bottom particularly comprising clay.



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