

POWER-ASSISTED MOVABLE RACK SYSTEM

ABSTRACT OF THE DISCLOSURE

The invention provides a relatively simple and inexpensive power-assisted movable rack system, movement of which is controlled by an operator. The movable rack system comprises a plurality of movable racks, each of which includes a plurality of wheels, a DC motor turning forward or backward and reciprocating the movable rack, a pair of direction switches provided at opposite positions in moving directions of the movable rack, and an actuating circuit rotating the DC motor in one direction during the operation of one of the direction switches and rotating the DC motor in an opposite direction during the operation of the other direction switch. The DC motor applies dynamic braking force, so that movable racks can be stopped with a short braking distance.

FIGURE 1 is a side elevation of a power-assisted movable rack system including a plurality of movable racks according to a first embodiment of the invention.



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