

Title (en)
ELECTRIC CHAIN BLOCK

Publication
EP 0257127 B1 19890111 (EN)

Application
EP 86111792 A 19860826

Priority
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Abstract (en)
[origin: EP0257127A1] An electric chain block includes a driving shaft connected to a rotating shaft of an electric motor, and a driving gear provided on the driving shaft, and further includes an intermediate driven gear in mesh with the driving gear, a torque limiter and a mechanical brake assembly between the driving shaft and a load sheave. The electric chain block comprises an intermediate shaft arranged in parallel with said driving shaft, a support member anchored to the intermediate shaft, an urging member fitted on the intermediate shaft, a cam support provided inside the intermediate driven gear and fitted on the intermediate shaft between the support member and the urging member, a retainer disc and a brake receiving disc axially slidably but nonrotatably on said intermediate shaft respectively on one side and the other side of the cam support, at least one of these members being a spring, a ratchet wheel for braking interposed between the intermediate driven gear and the brake receiving disc and engaging a pawl for braking, brake releasing cam members accommodated in cam grooves formed in a side of the camp support, depths of the cam grooves changing circumferentially of the intermediate shaft, and an adjusting nut threadedly engaging an extending end of the intermediate shaft for adjusting urging force of the urging member.

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B66D 5/34

IPC 8 full level
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