

Title (en)
SWING MOTOR MOUNTING ARRANGEMENT.

Title (de)
SCHWENKBARE MOTORAUFHÄNGUNG.

Title (fr)
DISPOSITIF DE MONTAGE D'UN MOTEUR PIVOTANT.

Publication
EP 0047245 A4 19830418 (EN)

Application
EP 80902136 A 19800313

Priority
US 8000266 W 19800313

Abstract (en)
[origin: WO8102596A1] Swing motors employed on backhoes and like constructions vehicles are interconnected between a tractor frame and a mast frame to selectively rotate the mast frame relative to the tractor frame. In addition to posing assembly and disassembly problems, conventional mounting arrangements for swing motors of this type often times subject various spline connections, pins, and bearings to undue wear. The swing motor mounting arrangement (10) of this invention overcomes the above problems by providing a pair of first brackets (20) for pivotally mounting a mast frame (15) on a tractor frame (16) and a pair of second brackets (26) for securing opposite ends (14) of a shaft (13) of a swing motor (11) to the mast frame (15). A housing of the swing motor (11) is connected to the tractor frame (16) whereby pressurization of the motor will rotate the shaft (13) relative to the housing (12) to selectively swing the mast frame (15) relative to the tractor frame (16).

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IPC 8 full level
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