

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).

IPC 1-7  
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IPC 8 full level  
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**WO 8102596 A1 19810917**; CA 1150677 A 19830726; DE 3071003 D1 19850926; EP 0047245 A1 19820317; EP 0047245 A4 19830418; EP 0047245 B1 19850821; JP S57500295 A 19820218

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