

Title (en)  
ELECTRICALLY CONTROLLED AUXILIARY HYDRAULIC SYSTEM FOR A SKID STEER LOADER

Publication  
**EP 0352654 A3 19900328 (EN)**

Application  
**EP 89113432 A 19890721**

Priority  
US 22464388 A 19880727

Abstract (en)  
[origin: EP0352654A2] An electrically controlled auxiliary hydraulic system (60) for both front and rear mounted attachments on a skid steer loader. An electrically actuated auxiliary control valve (92) is coupled to the front and rear mounted attachments through an electrically actuated diverter valve (74). An operator can select between control of either the front or rear attachments by actuating a diverter switch located on a steering lever. The auxiliary control valve (92) is then used to control the selected attachment by actuating forward, reverse and forward latch switches on the control handles. The selected attachment can also be operated in a high pressure mode by actuating a high pressure switch when extra horsepower needs to be delivered to the attachment.

IPC 1-7  
**E02F 9/22**; **E02F 9/20**; **F15B 21/08**

IPC 8 full level  
**B62D 49/00** (2006.01); **E02F 3/43** (2006.01); **E02F 9/22** (2006.01); **F15B 21/08** (2006.01)

CPC (source: EP)  
**E02F 9/22** (2013.01); **F15B 21/087** (2013.01)

Citation (search report)  
• [X] GB 2186999 A 19870826 - KUBOTA LTD  
• [X] US 4712376 A 19871215 - HADANK JOHN M [US], et al  
• [A] US 4050596 A 19770927 - ZEUNER KENNETH W, et al  
• [A] US 3279637 A 19661018 - OLSON ROBERT A, et al  
• [A] US 3319817 A 19670516 - JUHL JAMES L, et al  
• [A] US 3606048 A 19710920 - LONG WILLIAM R  
• [A] GB 1558604 A 19800109 - INST CERCETARE SI PROIECTARE T

Cited by  
CN113757203A; DE10356969B4; DE102004031056B4; GB2254870A; GB2254870B; AU717010B2; EP0814207A3; FR2900693A1; US5957213A; EP0866177A3; US6662881B2; WO2007125120A1

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