

12

EUROPEAN PATENT APPLICATION

21 Application number: **89113432.2**

51 Int. Cl.⁵: **E 02 F 9/22**
E 02 F 9/20, F 15 B 21/08

22 Date of filing: **21.07.89**

30 Priority: **27.07.88 US 224643**

43 Date of publication of application:
31.01.90 Bulletin 90/05

84 Designated Contracting States: **BE DE FR GB IT**

88 Date of deferred publication of search report:
28.03.90 Bulletin 90/13

71 Applicant: **Clark Equipment Company**
100 North Michigan Street P.O. Box 7008
South Bend Indiana 46634 (US)

72 Inventor: **Mather, Joseph M.**
212 Seventh Avenue West
Lisbon North Dakota 58054 (US)

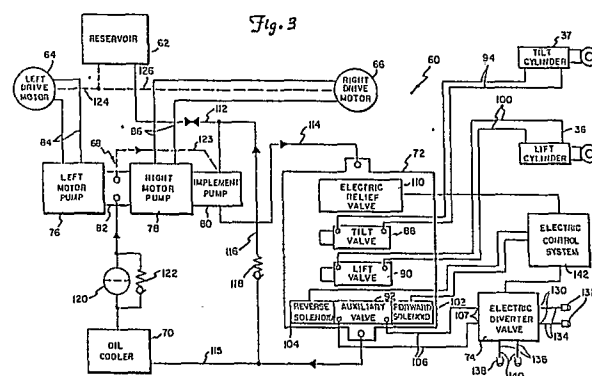
Jacobson, Scott B.
Box 287
Kindred North Dakota 58051 (US)

Haeder, Thomas Q.
613 Lincoln Street
Lisbon North Dakota 58054 (US)

74 Representative: **Vossius & Partner**
Siebertstrasse 4 P.O. Box 86 07 67
D-8000 München 86 (DE)

54 **Electrically controlled auxiliary hydraulic system for a skid steer loader.**

57 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.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	GB-A-2 186 999 (MIZOTA et al.)	1-6, 14-18	E 02 F 9/22
A	* Whole document *	7-13, 19-26	E 02 F 9/20 F 15 B 21/08

X	US-A-4 712 376 (HADANK et al.)	1	
A	* Whole document *	2-4, 6-9, 14, 15-18, 23-27	

A	US-A-4 050 596 (ZEUNER et al.)	1	
	* Column 1, line 59 - column 2, line 9; figures 1-4 *		

A	US-A-3 279 637 (OLSON et al.)	1	
	* Figures 1-6 *		

A	US-A-3 319 817 (JUHL et al.)	1	
	* Figures 1-11 *		

A	US-A-3 606 048 (W.R. LONG)	1	
	* Figures 2, 9 *		

A	GB-A-1 558 604 (I.C.P.U.C.)		

The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 05-12-1989	Examiner ANGIUS P.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	