



(19)

Europäisches Patentamt

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(11)

EP 0 632 167 A3

(12)

## EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
11.12.1996 Bulletin 1996/50

(51) Int. Cl.<sup>6</sup>: E02F 9/22

(43) Date of publication A2:  
04.01.1995 Bulletin 1995/01

(21) Application number: 94107376.9

(22) Date of filing: 11.05.1994

(84) Designated Contracting States:  
DE FR GB IT

(30) Priority: 02.07.1993 KR 9312456

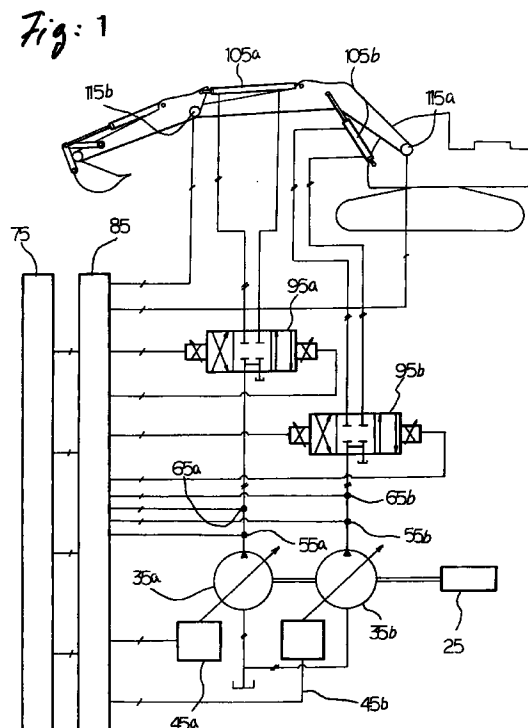
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### (54) Apparatus and method for controlling hydraulic construction equipment

(57) An apparatus and a method for controlling a moving speed of each bucket and a moving speed ratio between each bucket to be proportional to a degree of operation of each operation indicator (75) and an operation ratio between each operation indicator (75) regardless of changes in various working conditions or load pressures. The apparatus has means for receiving an operation command from an input portion and converting said operation command into an operation signal, means (85) for calculating a required discharge oil amount of a pump (35a,35b) which is proportional to said operation signal and a required moving speed of an actuator (105a,105b) which is proportional to the degree of operation and the operation ratio of said operation signal, means (45a,45b) for adjusting said required discharge oil amount and said required moving speed based on a maximum dischargeable oil amount of said pump (35a,35b), means for subtracting a real discharge oil amount and a real moving speed from said adjusted discharge oil amount and said adjusted moving speed, means for controlling the discharge oil amount of said pump (35a,35b) according to the control signal from said subtracting means, and means for controlling the moving speed of said actuator according to the control signal from said subtracting means.



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# EUROPEAN SEARCH REPORT

Application Number  
EP 94 10 7376

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.6)
A	FR-A-2 669 661 (SAMSUNG HEAVY IND) 29 May 1992 * the whole document *	1-10	E02F9/22
A	WO-A-88 03285 (CATERPILLAR INC) 5 May 1988 * the whole document *	1-10	
A	WO-A-93 00487 (UNIV BRITISH COLUMBIA) 7 January 1993 * the whole document *	1-10	
A	EP-A-0 545 271 (SAMSUNG HEAVY IND) 9 June 1993 * the whole document *	1-10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			E02F
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		14 October 1996	Estrela y Calpe, J
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>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  .....  &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.92 (P04C01)