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02.11.89 Bulletin 89/44(71) Applicant: **FAIREY HYDRAULICS LIMITED**
Cranford Lane Heston Hounslow
Middlesex, TW5 9NQ(GB)(72) Inventor: **Fuell, Frederick James**
Dalegarth 11 Charterhouse Close
Nailsea Bristol, BS19 2PU(GB)(74) Representative: **Robinson, Anthony John**
Metcalf et al
Kilburn & Strode 30 John Street
London, WC1N 2DD(GB)(54) **Hydraulic control system.**

(57) An hydraulic control system, for example for use in moving control surfaces of aircraft, comprises first and second actuators (12A, 12B) operating in tandem. The two actuators are supplied by independent hydraulic pathways (P1, P2), the fluid in each of these pathways being controlled by a plurality of direct drive control valves (4) connected across the two pathways. The system will therefore operate even if three of the control valves, and one of the hydraulic supplies are non-operational.

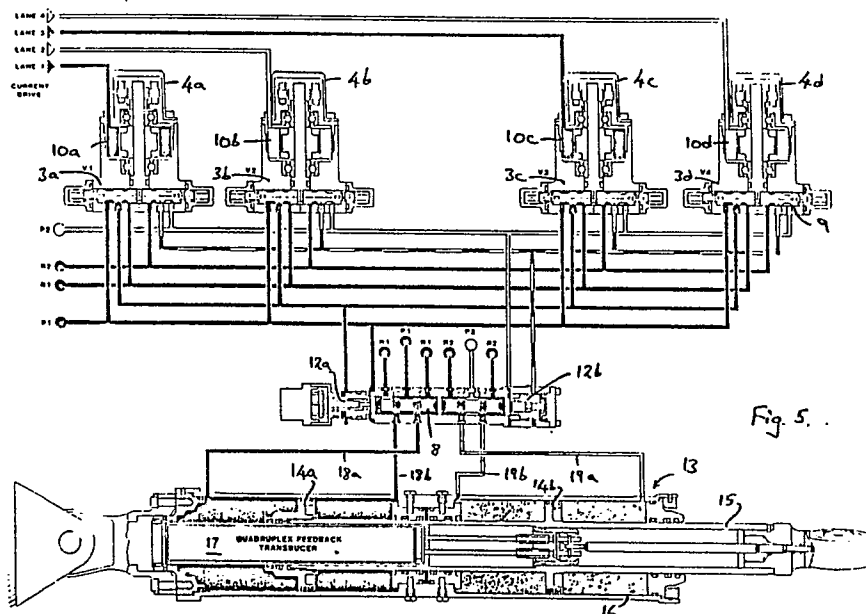


Fig. 5.



EP 87 30 5960

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.4)
X	US-A-3 667 344 (R. WESTBURY et al.) * Column 1, line 34 - column 2, line 32; claim 1; figure * ---	1,2,5-8 ,10-12	F 15 B 18/00
A	DE-A-1 904 534 (MESSERSCHMITT-BÖLKOW-BLOHM GmbH) * Page 3, line 30 - page 4, line 25; figure * ---	1,2,5,8 ,10,12	
A	ÖLHYDRAULIK UND PNEUMATIK, vol. 12, no. 3, March 1968, pages 87-94; C.R. HIMMLER: "Untersuchungen an druckregelnden Servoventilen und Triplex-Redundanzsysteme" * Figure 12; paragraph 2: "Triplex-Redundanzsysteme"; pages 90-94 * ---	1	
A	GB-A-2 082 799 (ELIOTT BROTHERS (London) LTD) * Figure; page 1, line 24 - line 105 * -----	3,4	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			F 15 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 09-08-1989	Examiner THOMAS L.C.
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			