

Title (en)  
A structure testing apparatus.

Title (de)  
Vorrichtung zum Testen von Konstruktionen.

Title (fr)  
Appareil pour tester des structures.

Publication  
**EP 0070842 A4 19840706 (EN)**

Application  
**EP 82900331 A 19820203**

Priority  
AU PE755281 A 19810211

Abstract (en)  
[origin: WO8202749A1] Fluid control circuit for controlling the pressure applied by jacks (12) to an article such as an aircraft wing undergoing testing. Fluid supply lines (18, 20) carry hydraulic fluid to and from the jacks (12) under control of a main control valve (23). Locking means (16) in the form of cutoff valves (25, 26) are provided to close the supply lines (18, 20) to fluid flow if a fault condition is detected. The cutoff valves (25, 26) are pilot operated and normally hold lines (18, 20) open. Pilot control valve (31) controls the supply of pilot fluid to the cutoff valves (25, 26). Dump lines (37, 38) are opened to pressure relieving fluid flow when dump control valves (39, 40) are open. Bleed control valves (41, 42) control the rate of such pressured relieving flow. Auxiliary valves (47, 48) prevent leakage flow back through main control valve (23) when the dump lines (37, 38) are open.

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IPC 8 full level  
**G01M 5/00** (2006.01)

CPC (source: EP)  
**G01M 5/0016** (2013.01); **G01M 5/005** (2013.01)

Citation (search report)  
• [X] US 3807175 A 19740430 - KUBIK P  
• [A] US 4145958 A 19790327 - ILLE DAVID R  
• [A] GB 1540174 A 19790207 - SHOKETSU KINZOKU KOGYO KK

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