

Title (en)
Electro-hydraulic servo activator system.

Title (de)
Elektrohydraulisches Servosteuerungssystem.

Title (fr)
Système de servo-commande électro-hydraulique.

Publication
EP 0038128 A1 19811021 (EN)

Application
EP 81301263 A 19810324

Priority
US 13717180 A 19800404

Abstract (en)
An electro-hydraulic servo system combines a pilot spool valve [24] with a non-linear solenoid [25] to provide a pilot stage for a main control valve. The non-linear solenoid [25] counteracts the Bernoulli forces that act upon the pilot spool [31] in order to provide an overall desired linear response. The non-linear solenoid comprises an armature [42] with conical pole faces [38, 39] subject to the energizations of oppositely acting energizing coils [44,45], the armature [42] being biased towards a normal position by means of a spring [43]. An actuator rod [41] couples the armature [42] to the spool [31] of the pilot spool valve [24].

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H01F 7/13; **F15B 13/044**

IPC 8 full level
F15B 11/08 (2006.01); **F15B 13/04** (2006.01); **F15B 13/043** (2006.01); **H01F 7/13** (2006.01)

CPC (source: EP KR)
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Citation (search report)

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