Title (en)
PILOT DEVICE

Title (de)
VORSTEUERGERÄT

Title (fr)
APPAREIL PILOTE

Publication
EP 1220992 A2 20020710 (DE)

Application
EP 00979379 A 20000925

Priority
- DE 0003323 W 20000925
- DE 19949802 A 19991015

Abstract (en)
[origin: DE19949802A1] The manual control input is in the form of a pair of joysticks (2,4) that are fixed to a spindle (30) that is pivot mounted (34) and operates a pair of pressure reducing valves (8,10). Built into the joysticks are a potentiometer (12) and a pair of switches (14,16) that operate pilot electro hydraulic valves (20,22).

IPC 1-7
F15B 13/042

IPC 8 full level
B66C 13/56 (2006.01); **B66F 9/20** (2006.01); **E02F 9/20** (2006.01); **F15B 13/042** (2006.01); **G05G 9/047** (2006.01)

CPC (source: EP US)
B66F 9/20 (2013.01 - EP); **E02F 9/2004** (2013.01 - EP); **F15B 13/0424** (2013.01 - EP); **G05G 9/047** (2013.01 - EP); G05G 2009/04774 (2013.01 - EP); Y10T 137/87072 (2015.04 - EP US)

Citation (search report)
See references of WO 0129428A2

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DE 19949802 A1 20010419; DE 50005038 D1 20040219; EP 1220992 A2 20020710; EP 1220992 B1 20040114; US 6932113 B1 20050823; WO 0129428 A2 20010426; WO 0129428 A3 20010907

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DE 19949802 A 19991015; DE 0003323 W 20000925; DE 50005038 T 20000925; EP 00979379 A 20000925; US 11046602 A 20020724