

Title (en)

ANALOG MANIPULATOR HAVING PRIVELEGED ORIENTATIONS

Publication

**EP 0246968 B1 19910807 (FR)**

Application

**EP 87401126 A 19870520**

Priority

FR 8607289 A 19860522

Abstract (en)

[origin: FR2599186A2] Manipulator delivering signals characteristic of the spacial orientation of an operating lever capable of being moved away, by transverse thrust, from a so-called neutral reference position, and returned elastically to this neutral position, this manipulator comprising a casing on which is articulated the said lever by way of a swivel stressed elastically towards a fixed span of the casing, this lever controlling the position of at least one movable member 3 associated with at least one sensor 4b to 4e for delivering an electrical signal dependent on the position of the lever. The movable influence member 3 comprises a blanked part stamped so as to engage and be immobilised in rotation on a projection carried by the swivel, this part having claws 3b, 3c, 3d, 3e distributed angularly around the lever and interacting with respective position sensors 4b, 4c, 4d, 4e. Application in particular to manipulators intended for the control of the displacements of a moving body. <IMAGE>

IPC 1-7

**H01H 25/04**

IPC 8 full level

**G05G 9/047** (2006.01)

CPC (source: EP US)

**G05G 5/05** (2013.01 - EP US); **G05G 9/04785** (2013.01 - EP US); **G05G 2009/04707** (2013.01 - EP US); **G05G 2009/04711** (2013.01 - EP US); **G05G 2009/04744** (2013.01 - EP US); **G05G 2009/04766** (2013.01 - EP US); **Y10T 74/20201** (2015.01 - EP US)

Citation (examination)

- EP 0043809 A2 19820113 - ZETTERGREN TED AB [SE]
- US 3827313 A 19740806 - KIESSLING R

Cited by

US5744765A; EP0656640A1; US5619021A; US5691517A; EP0562903A1; FR2689262A1

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