

Title (en)  
Operating element

Title (de)  
Bedienungselement

Title (fr)  
Dispositif de commande

Publication  
**EP 1199622 B1 20071212 (DE)**

Application  
**EP 01122079 A 20010914**

Priority  
• DE 10111609 A 20010310  
• DE 10052050 A 20001020

Abstract (en)  
[origin: EP1199622A1] The operating element has an operator handle (12) mounted on a platform (10), connecting elements (20,22,24,26,28) between the platform and a fixed bracket (30), displacement sensors for detecting connecting element length changes and/or force sensors for compression and strain forces in the connecting elements and an evolution unit for evaluating the measurement signals and providing drive signals for the spatial movement processes.

IPC 8 full level  
**G05G 9/047** (2006.01)

CPC (source: EP US)  
**G05G 9/047** (2013.01 - EP US); **G05G 9/04737** (2013.01 - EP US); **Y10T 74/20201** (2015.01 - EP US); **Y10T 74/20213** (2015.01 - EP US)

Citation (examination)  
• JP S62235615 A 19871015 - MITSUBISHI PRECISION CO LTD  
• HEBSACKER M.: "Die Auslegung der Kinematik des Hexaglide - "Methodik für die Auslegung paralleler Werkzeugmaschinen"", VDI-BERICHTE, no. 1427, 1998, pages 51 - 67

Cited by  
EP1876505A1; CN105415350A; US8667860B2; WO2008003417A1; US8188843B2

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 1199622 A1 20020424**; **EP 1199622 B1 20071212**; BR 0104622 A 20020528; DE 50113363 D1 20080124; US 2002117017 A1 20020829; US 6681880 B2 20040127

DOCDB simple family (application)  
**EP 01122079 A 20010914**; BR 0104622 A 20011019; DE 50113363 T 20010914; US 97743701 A 20011015