

Title (en)
Computer joystick

Title (de)
Computersteuerknüppel-Anordnung

Title (fr)
Manette de jeu pour ordinateur

Publication
EP 0936529 A1 19990818 (EN)

Application
EP 98102273 A 19980210

Priority
EP 98102273 A 19980210

Abstract (en)
A computer joystick (10; 60) comprising a joystick handle (14), a joystick mechanism (20) having two mutually perpendicular rotatable shafts (38, 40) in frictional contact with an engaging element (24) at the bottom end of said joystick handle, and a transducer associated with each of said shafts is characterized in that said transducers consist of optical sensors (42, 44) in proximity to corresponding optically readable rotation indication elements (41, 43) on said shafts and wired to a control circuit (48) having a memory (50) for storing coordinates indicating the positions of said joystick handle (14) and a processor (54) for updating the coordinate storage in said memory according to displacement signals from said optical sensors (42, 44) and generating vector signals according to the stored coordinates to indicate the current position of the joystick handle (14). Thereby the problem is overcome that the joystick is susceptible to wear or forceful handling. <IMAGE>

IPC 1-7
G05G 9/047

IPC 8 full level
G05G 9/047 (2006.01); **G05G 9/053** (2006.01)

CPC (source: EP)
G05G 9/053 (2013.01); **G05G 2009/04759** (2013.01)

Citation (search report)
• [XA] US 5561445 A 19961001 - MIWA MICHIO [JP], et al
• [A] EP 0782093 A1 19970702 - THOMSON MULTIMEDIA SA [FR]

Cited by
EP1598726A3; GB2588473A; GB2588473B; US8995225B2; US7490530B2; US8581845B2; US6580418B1; WO2012154508A1; WO0165329A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0936529 A1 19990818; EP 0936529 B1 20061213; DE 69836619 D1 20070125; DE 69836619 T2 20070920

DOCDB simple family (application)
EP 98102273 A 19980210; DE 69836619 T 19980210