

Title (en)

Intuitive joystick control for a work implement.

Title (de)

Intuitiver Steuerhebel für ein Arbeitsgerät.

Title (fr)

Levier de commande intuitif pour un outil d'un engin de terrassement.

Publication

EP 0361666 A1 19900404 (EN)

Application

EP 89308347 A 19890817

Priority

US 24165488 A 19880908

Abstract (en)

Two multi-axis joysticks (23,24), one horizontal and the other upright, provide the operator of a material handling vehicle with an intuitive control interface to the vehicle (34). The control system (10) also provides a coordinated control for spatial placement of the working device (14) of the work implement (11). Movement up and down and in and out being controlled by the horizontal joystick (23) as is the movement of the working device (14) relative to its adjacent linkage (13). Swinging movement about an upright axis is controlled by the second joystick (24).

IPC 1-7

E02F 9/16; **E02F 9/20**

IPC 8 full level

E02F 3/43 (2006.01); **E02F 9/20** (2006.01); **G05G 13/00** (2006.01)

CPC (source: EP)

E02F 3/437 (2013.01); **E02F 9/2004** (2013.01); **E02F 9/2025** (2013.01)

Citation (search report)

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- [A] FR 2235014 A1 19750124 - SPERRY RAND CORP [US]
- [A] US 3388821 A 19680618 - WHITE JR WILLIAM MCKEAN

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