

Title (en)

OPERATIONAL REACTION FORCE CONTROL DEVICE FOR AN OPERATING LEVER OF A WORKING MACHINE

Title (de)

VORRICHTUNG ZUM STEuern VON REAKTIONSKRÄFTEN IM BETRIEB EINES BEDIENTUNGSHEBELS VON BAUMASCHINEN

Title (fr)

DISPOSITIF DE CONTROLE DE FORCE DE REACTION OPERATIONNELLE POUR LEVIER DE COMMANDE D'UNE MACHINE A TRAVAILLER

Publication

EP 0821299 A1 19980128 (EN)

Application

EP 96909331 A 19960410

Priority

- JP 9600983 W 19960410
- JP 8406995 A 19950410

Abstract (en)

An operation for effectively preventing the swing of load is made possible by imparting to an operating lever (1) an operational reaction force F that becomes greater as an acceleration alpha detected by an acceleration detecting means (14) becomes greater, and moreover the operator can be relieved of fatigue. <IMAGE>

IPC 1-7

G05G 7/00; G05G 9/047; B66C 13/56; B66C 13/22; B66D 1/28

IPC 8 full level

B66C 13/56 (2006.01); **G05G 9/04** (2006.01); **G05G 9/047** (2006.01)

CPC (source: EP KR)

B66C 13/56 (2013.01 - EP); **G05G 7/00** (2013.01 - KR); **G05G 9/04** (2013.01 - EP); **G05G 9/047** (2013.01 - EP); **G05G 2009/04766** (2013.01 - EP)

Cited by

GB2460796A; US12001236B2; US7753077B2; US7753078B2; WO2008130870A1; WO2009146399A1

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DE

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JP 9600983 W 19960410; CN 96193201 A 19960410; EP 96909331 A 19960410; KR 19970706690 A 19970925; TW 85104718 A 19960420