

Title (en)

VIBRATING DEVICE FOR AN OPERATING MACHINE FOR A HYDRAULIC SHOVEL

Title (de)

WERKMASCHINE-RÜTTELVORRICHTUNG FÜR EINEN HYDRAULISCHEN BAGGER

Title (fr)

DISPOSITIF A VIBRATIONS POUR MACHINE COMPORTANT UNE PELLE HYDRAULIQUE

Publication

EP 0785312 A1 19970723 (EN)

Application

EP 95932957 A 19951003

Priority

- JP 9502010 W 19951003
- JP 26443394 A 19941005

Abstract (en)

The present invention relates to an operating machine vibrating device for a hydraulic excavator which can effectively perform vibrating operation such as digging work and rolling work, etc. To this end, the vibrating device comprises a rotary vibrating valve (15) for continuously switching pressure oil from a hydraulic source (10) for discharging, and a vibration mode switching valve (17) having two positions, a position where switched discharge oil is continuously discharged in one direction, and a position where the oil is alternately switched for discharging, wherein the discharge oil from the vibration mode switching valve (17) is supplied to either operating machine actuators (5, 7, 9) or a vibrating actuator (30) so as to vibrate the operating machine (1a). <IMAGE>

IPC 1-7

E02F 9/22; **E02F 3/40**; **F15B 21/12**

IPC 8 full level

E02F 3/40 (2006.01); **E02F 9/22** (2006.01); **F15B 21/12** (2006.01)

CPC (source: EP KR)

E02F 3/43 (2013.01 - KR); **E02F 9/221** (2013.01 - EP); **E02F 9/2217** (2013.01 - EP); **E02F 9/24** (2013.01 - KR); **F15B 21/12** (2013.01 - EP)

Cited by

US11591769B2

Designated contracting state (EPC)

BE DE GB IT

DOCDB simple family (publication)

WO 9611306 A1 19960418; CN 1159843 A 19970917; EP 0785312 A1 19970723; EP 0785312 A4 19980128; JP 3562730 B2 20040908; JP H08105077 A 19960423; KR 0161616 B1 19981215; KR 960014552 A 19960522

DOCDB simple family (application)

JP 9502010 W 19951003; CN 95195479 A 19951003; EP 95932957 A 19951003; JP 26443394 A 19941005; KR 19950034114 A 19951005