

Title (en)

ELECTRONIC CONTROL TYPE HYDRAULIC DRIVING MACHINE

Publication

**EP 0471840 A4 19920826 (EN)**

Application

**EP 90903925 A 19900228**

Priority

- JP 4520189 A 19890228
- JP 4520289 A 19890228
- JP 4520389 A 19890228

Abstract (en)

[origin: WO9010116A1] This invention relates to an electronic control type hydraulic driving machine which does not require any exclusive equipment but permits an unmanned operation through a remote control operation, can select and set easily each work mode by an external memory such as an IC card, and enables an operator to experience the operation of a vehicle or working machine by gripping an operation lever even during automatic operation. This machine includes an electronic control type hydraulic valve device (2) for making supply control of a pressure oil to hydraulic actuators (1a, 1b) for driving the working machine, an electronic controller (3) for the valve device, an electrical operation lever device (4) for outputting a lever operation signal and a work automation controller (8) for outputting an operation signal to the electronic controller. It may include further an external memory reader (18), a radio control reception controller (11) for the remote operation, a radio control/manual operation switching device (10), and the like.

IPC 1-7

**E02F 9/20**

IPC 8 full level

**E02F 3/43** (2006.01); **E02F 9/22** (2006.01)

CPC (source: EP KR)

**E02F 3/438** (2013.01 - EP); **E02F 9/20** (2013.01 - KR); **E02F 9/221** (2013.01 - EP)

Citation (search report)

- [A] FR 2619140 A1 19890210 - FORMATION TRAVAUX PUBLICS CENT [FR]
- See references of WO 9010116A1

Cited by

DE19830880A1; CN114222844A; GB2312762A; GB2312762B; EP0598937A1; US7117952B2; WO9746763A1; WO2005093170A1; EP2381398A1

Designated contracting state (EPC)

DE GB SE

DOCDB simple family (publication)

**WO 9010116 A1 19900907**; EP 0471840 A1 19920226; EP 0471840 A4 19920826; KR 920700334 A 19920219

DOCDB simple family (application)

**JP 9000267 W 19900228**; EP 90903925 A 19900228; KR 900702339 A 19901026