

Title (en)

CONTROLLER OF CONSTRUCTION MACHINE

Title (de)

STEUERVORRICHTUNG EINER BAUMASCHINE

Title (fr)

ORGANE DE COMMANDE D'ENGIN DE CONSTRUCTION

Publication

**EP 0900887 A1 19990310 (EN)**

Application

**EP 97913472 A 19971128**

Priority

- JP 9704361 W 19971128
- JP 32316196 A 19961203

Abstract (en)

The present invention relates to a control apparatus for a construction machine such as a hydraulic excavator for excavating the ground, and includes angle detection means (20 to 22) for detecting a posture of a joint type arm mechanism in angle information, conversion means (26) for converting the detected angle information into corresponding expansion/contraction displacement information of cylinder type actuators (120 to 122), and controlling means (1) for controlling the actuators (120 to 122) based on the obtained expansion/contraction information so that the actuators (120 to 122) may perform predetermined expansion/contraction displacements, whereby the position and the posture of a working member (400) can be controlled accurately and stably while suppressing the cost low. <IMAGE>

IPC 1-7

**E02F 3/43**

IPC 8 full level

**E02F 3/43** (2006.01); **E02F 9/26** (2006.01); **E02F 9/22** (2006.01)

CPC (source: EP KR)

**E02F 3/437** (2013.01 - EP KR); **E02F 9/2285** (2013.01 - EP KR); **E02F 9/2292** (2013.01 - EP KR); **E02F 9/2296** (2013.01 - EP KR); **E02F 9/26** (2013.01 - EP); **E02F 9/26** (2013.01 - KR)

Cited by

CN111201350A; GB2488490A; GB2488490B; CN112424430A; US9551129B2; WO2011075374A3; US8463508B2; US8612103B2

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

**WO 9824985 A1 19980611**; CA 2242755 A1 19980611; CN 1210570 A 19990310; EP 0900887 A1 19990310; EP 0900887 A4 20000524; JP H10159123 A 19980616; KR 19990081852 A 19991115

DOCDB simple family (application)

**JP 9704361 W 19971128**; CA 2242755 A 19971128; CN 97191997 A 19971128; EP 97913472 A 19971128; JP 32316196 A 19961203; KR 19980705563 A 19980721