

Title (en)

Crane hoist control

Title (de)

Steuervorrichtung für ein Hubwerk eines Krans

Title (fr)

Commande du système de levage d'une grue

Publication

EP 0779239 B1 20020502 (DE)

Application

EP 96118129 A 19961112

Priority

- DE 19546579 A 19951213
- DE 19604428 A 19960207

Abstract (en)

[origin: EP0779239A1] The device controls the lifting gear on a crane, especially on a crane which has a jib which can be elevated and whose length can be adjusted. The lifting gear has a drum (1) which is driven by a hydraulic motor (2). The motor is in a closed hydraulic circuit which has a high-pressure pipe (6) from a pump (11), and which is fitted with a pressure gauge (8). The signal from the pressure gauge and from equipment (20) to determine the torque on the lifting gear drum are fed to a comparator. The comparator together with a processor in a control unit (10) matches the pressure in the pipe to the moment which is applied to the motor and which corresponds to that on the drum, by a corresponding increase or decrease in the power of the pump.

IPC 1-7

B66D 1/44

IPC 8 full level

B66C 13/23 (2006.01); **B66D 1/44** (2006.01); **B66D 1/46** (2006.01)

CPC (source: EP US)

B66D 1/44 (2013.01 - EP US)

Citation (examination)

- DE 2536631 A1 19770217 - FACHVERBAND STEINZEUGIND
- DE 19604428 A1 19970619 - LIEBHERR WERK EHINGEN [DE]

Cited by

CN110494384A; EP1022247A3; EP1103511A3; EP1748022A1; US11027951B2; US7490728B2; US6269635B1; WO2018145806A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0779239 A1 19970618; EP 0779239 B1 20020502; EP 0779239 B2 20060913; JP H09175778 A 19970708; US 6079576 A 20000627

DOCDB simple family (application)

EP 96118129 A 19961112; JP 32850096 A 19961209; US 76640796 A 19961212