Title (en)

SUBMERGIBLE ELECTROHYDRAULIC DRIVE UNIT FOR HAMMERING AND SERVICING DEVICES IN UNDER WATER OPERATION

Publication

EP 0301116 B1 19910703 (DE)

Application

EP 87110894 A 19870728

Priority

EP 87110894 A 19870728

Abstract (en)

[origin: JPS6436823A] PURPOSE: To perform economical utilization throughout a wide range by a method wherein a plurality of pump units combined with each other for use are disposed between the inner and outer walls of a casing having a thoroughgoing central receiving space to contain a necessary working device. CONSTITUTION: Annular upper and lower mounting plates 4 and 5 are arranged in a casing M having a thoroughgoing central receiving space to contain a necessary working device, and an outer wall 2 to intercouple the mounting plates and an inner wall 3 to surround the receiving space 1 are arranged. A plurality of pump units 10 are disposed between the inner and outer walls 3 and 2 and in parallel to the receiving space 1, and submergible electric motor 12 is coupled to a hydraulic pump 13. The pump units 10 are individually or in plurality or wholly jointly driven. This constitution meets a wide range of demands in combination with various underwater working devices.

IPC 1-7

E02D 7/02; E02D 7/26

IPC 8 full level

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CPC (source: EP US)

E02D 7/02 (2013.01 - EP US); **E02D 7/26** (2013.01 - EP US); **E02D 13/10** (2013.01 - EP US); **E21B 7/124** (2013.01 - EP US); Y10S 173/01 (2013.01 - EP US)

Cited by

DE4300073A1; WO9416153A1; WO9416152A1; WO2012098081A1; US9476176B2; EP2325397A1; EP2527539A1; US8562257B2

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