

Title (en)

Apparatus for subsoil constructions provided with a pressurized gearbox and method of regulating pressure inside said gearbox

Title (de)

Tiefbauvorrichtung mit einem unter Druck stehenden Getriebe und Verfahren zur Steuerung des Innendrucks in dem Getriebe

Title (fr)

Appareil pour constructions souterraines comprenant un groupe de transmission pressurisé et méthode de contrôle de la pression dans ledit groupe

Publication

**EP 1529924 B1 20060802 (DE)**

Application

**EP 04021724 A 20040913**

Priority

DE 10351386 A 20031104

Abstract (en)

[origin: EP1529924A1] The gear unit has an active setting device (20) controlled by a control device and changing pressure inside a gear housing (16). The device has a pump and/or a compensating tank which are connected to inside of the gear housing through a fluid line (24) to supply and/or discharge a fluid. A pressure sensor measures a pressure inside and/or outside the gear housing, and is in signaling contact with the control device. Independent claims are also included for the following: (A) a trench cutter comprising a gear unit (B) a method for controlling an internal pressure in a gear unit.

IPC 8 full level

**E02F 5/02** (2006.01); **E21B 4/00** (2006.01); **E02D 17/13** (2006.01); **F16H 1/14** (2006.01); **F16H 57/02** (2006.01)

CPC (source: EP US)

**E02D 17/13** (2013.01 - EP US); **E21B 4/003** (2013.01 - EP US)

Cited by

WO2020114656A1; DE102018131226A1; DE202019102477U1; EP4194612A1; WO2020173788A1; CN102677720A; EP3124707A4; CN113518842A; US10570583B2

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