

Title (en)

APPARATUS FOR DRIVING DOWN OR PULLING UP ELONGATED OBJECTS

Title (de)

VORRICHTUNG ZUM EINTREIBEN ODER HOCHZIEHEN VON LÄNGLICHEN OBJEKTEN

Title (fr)

APPAREIL POUR FAIRE DESCENDRE OU MONTER DES OBJETS ALLONGÉS

Publication

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Application

EP 08830718 A 20080908

Priority

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Abstract (en)

[origin: WO2009035392A1] Apparatus (1) for driving down or pulling up elongated objects (2), which is intended to be temporarily gripped by a coupler (3) on a vehicle (4) such as an excavator or similar, in which the driving down apparatus (1) consists of an inner housing (11) and an outer housing (12). The apparatus (1) consists of at least one hydraulically driven grapple (5) and at least one hydraulically driven vibration generating unit (26). The invention is characterized by that the inner housing (11) and the outer housing (12) is held together by the vibration dampening organs. The apparatus (1) is further characterized by that the outer housing (12) is equipped with a surface (9) with a centering device (27) for driving down the elongated object (2). The outer housing (12) further contains a surface (10) for positioning of the elongated object's vertical direction.

IPC 8 full level

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Citation (search report)

- [X] US 4819740 A 19890411 - WARRINGTON DON C [US]
- [A] US 5117925 A 19920602 - WHITE JOHN L [US]
- [A] EP 1717375 A1 20061102 - BAUER MASCHINEN GMBH [DE]
- [I] DE 3341084 A1 19850530 - TUENKERS JOSEF GERHARD
- [I] US 6691797 B1 20040217 - HART DUNCAN [GB]
- [AD] EP 0648297 A1 19950419 - RAUNISTO AIRI [FI]
- See references of WO 2009035392A1

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