

Title (en)

Assembly device for variable disassembly and assembly of axle parts

Title (de)

Vorrichtung zur variablen Demontage und Montage von Achsbauteilen

Title (fr)

Dispositif pour variable démontage et montage des pièces d'axe

Publication

EP 1690700 A1 20060816 (DE)

Application

EP 06002530 A 20060208

Priority

DE 202005002185 U 20050211

Abstract (en)

A first set of pressure bolts is guided through slots located at the brake disk, the wheel hub and the flanges at the housing of the wheel bearing in order to support the pressure disk. The bolts can be screwed into the threaded bores provided at the main axle. The pressure disk is axially held by the pressure bolts during the separation process. The connecting bolt of the drive shaft is separated from the flange by the forces of a central bolt. A pulling unit assembled of a hydraulic cylinder (1) with stepped threaded segments (7, 10, 11) and a collar (8) at the front, a pulling disk (2), and five pulling bars (3) are used in combination with the pressure unit.

IPC 8 full level

B60B 27/00 (2006.01); **B25B 27/00** (2006.01); **B25B 27/02** (2006.01)

CPC (source: EP)

B25B 27/0035 (2013.01); **B25B 27/026** (2013.01)

Citation (applicant)

- DE 202004003282 U1 20040506 - HAZET WERK ZERVER HERMANN [DE]
- DE 20203157 U1 20020627 - HAZET WERK ZERVER HERMANN [DE]
- DE 202004010887 U1 20040916 - HAZET WERK ZERVER HERMANN [DE]

Citation (search report)

- [AD] DE 202004003282 U1 20040506 - HAZET WERK ZERVER HERMANN [DE]
- [AD] DE 20203157 U1 20020627 - HAZET WERK ZERVER HERMANN [DE]
- [AD] DE 202004010887 U1 20040916 - HAZET WERK ZERVER HERMANN [DE]
- [A] DE 3443249 A1 19860605 - KROSELJ FRANC
- [A] DE 20206000 U1 20020814 - KLANN TOOLS LTD [GB]

Cited by

CN114082566A; CN107571200A; CN110289737A; WO2023115169A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1690700 A1 20060816; **EP 1690700 B1 20080109**; AT E383249 T1 20080115; DE 202005002185 U1 20050525; DE 502006000266 D1 20080221; DK 1690700 T3 20080421; ES 2296233 T3 20080416; PL 1690700 T3 20080630

DOCDB simple family (application)

EP 06002530 A 20060208; AT 06002530 T 20060208; DE 202005002185 U 20050211; DE 502006000266 T 20060208; DK 06002530 T 20060208; ES 06002530 T 20060208; PL 06002530 T 20060208