

Title (en)
DEVICE FOR COUPLING A PINION

Title (de)
VORRICHTUNG ZUR KUPPLUNG EINES ZAHNRADES

Title (fr)
DISPOSITIF D'ACCOUPLEMENT D'UN PIGNON

Publication
EP 1558972 B1 20070425 (FR)

Application
EP 03753202 A 20031024

Priority
• CH 0300698 W 20031024
• CH 18572002 A 20021106

Abstract (en)
[origin: WO2004042478A2] The invention concerns a coupling device whereof the stem (1) comprises an uncoupling cylindrical shaft (10) as well as a coupling block (11) having a polygonal cross-section and oblique guide surfaces (110, 111). The pinion (2) comprises a central orifice (22) whereof the cross-section corresponds to that of the coupling block polygon and oblique support surfaces (210, 211). The pinion is adapted to slide relative to the stem, from an uncoupling position on the cylindrical shaft up to a coupling position on the coupling block. The transition between those two positions is ensured by the oblique support surfaces (210, 211) sliding on the oblique guide surfaces (110, 111).

IPC 8 full level
G04B 27/04 (2006.01); **G04B 3/04** (2006.01)

CPC (source: EP)
G04B 3/046 (2013.01); **G04B 27/04** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004042478 A2 20040521; **WO 2004042478 A3 20040902**; AT E360840 T1 20070515; AU 2003271493 A1 20040607;
AU 2003271493 A8 20040607; DE 60313483 D1 20070606; DE 60313483 T2 20080103; EP 1558972 A2 20050803; EP 1558972 B1 20070425

DOCDB simple family (application)
CH 0300698 W 20031024; AT 03753202 T 20031024; AU 2003271493 A 20031024; DE 60313483 T 20031024; EP 03753202 A 20031024