

Title (en)

Stepping gear for a tensioning and/or spreading tool and tensioning and/or spreading tool

Title (de)

Schrittgetriebe für ein Spann- und/oder Spreizwerkzeug und Spann- und/oder Spreizwerkzeug

Title (fr)

Mécanisme pas à pas pour un outil de serrage et/ou d'écartement et outil de serrage et/ou d'écartement

Publication

**EP 2338641 B1 20150617 (DE)**

Application

**EP 10012911 A 20040802**

Priority

- EP 04763710 A 20040802
- DE 10335353 A 20030801
- DE 10335354 A 20030801
- DE 10335365 A 20030801
- DE 10335352 A 20030801
- DE 10335351 A 20030801

Abstract (en)

[origin: WO2005011918A2] An incremental gear for a clamping tool and/or an expansion tool exhibiting a fixed cheek and a carrier firmly connected to the fixed cheek wherein a connecting rod or traction rod is movably mounted with a moveable cheek disposed thereon. The incremental gear is provided with two different step shafts for stepped displacement of the connecting rod or traction rod together with the moveable cheek in relation to the fixed cheek in a direction of advancement and comprises at least one actuation arm which can be actuated with at least two lifting configurations. According to the invention, a device is provided for shifting from a first lifting configuration to a second lifting configuration. When the shifting device is actuated, particularly in a predetermined state, the shifted lifting configuration is directly engaged in a non-transitional manner.

IPC 8 full level

**B25B 5/06** (2006.01)

CPC (source: EP US)

**B25B 5/068** (2013.01 - EP US)

Citation (examination)

US 5722829 A 19980303 - WILCOX MALCOLM W [US], et al

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005011918 A2 20050210; WO 2005011918 A3 20050512; WO 2005011918 A8 20110505**; AT E483554 T1 20101015; AU 2004260731 A1 20050210; AU 2010241391 A1 20110310; EP 1648660 A2 20060426; EP 1648660 B1 20101006; EP 1648660 B8 20110914; EP 2338641 A1 20110629; EP 2338641 B1 20150617; EP 2347859 A1 20110727; EP 2353785 A1 20110810; EP 2359984 A1 20110824; EP 2359984 B1 20150729; US 2008048374 A1 20080228; US 8016276 B2 20110913

DOCDB simple family (application)

**EP 2004008640 W 20040802**; AT 04763710 T 20040802; AU 2004260731 A 20040802; AU 2010241391 A 20101006; EP 04763710 A 20040802; EP 10012910 A 20040802; EP 10012911 A 20040802; EP 10012912 A 20040802; EP 10012913 A 20040802; US 56678104 A 20040802