

Title (en)

Hydraulic swivel drive for grab bucket

Title (de)

Hydraulischer Schwenkantrieb für einen Greifer

Title (fr)

Entraînement pivotant hydraulique pour benne preneuse

Publication

**EP 1541771 B1 20090930 (DE)**

Application

**EP 04026554 A 20041109**

Priority

DE 20319227 U 20031211

Abstract (en)

[origin: EP1541771A1] The drive mechanism (1) moves gripping jaws by pushing the ends of the jaws apart. It has two end faces (4,5) which are moved apart by a set of pistons (15,16), moving in cylinders (18,19). The mechanism also includes two threaded spindles (8,9) engaging threaded bores (13) in the ends of a central portion (14). The spindles have square ends (10) and may be turned in opposite directions.

IPC 8 full level

**E02F 3/413** (2006.01); **E21B 17/00** (2006.01); **B66C 3/00** (2006.01); **B66C 3/16** (2006.01); **E02F 3/47** (2006.01); **F15B 15/08** (2006.01)

CPC (source: EP KR US)

**B66C 3/00** (2013.01 - KR); **B66C 3/005** (2013.01 - EP US); **B66C 3/16** (2013.01 - KR); **E02F 3/413** (2013.01 - EP US); **F15B 15/068** (2013.01 - EP US)

Cited by

ITTO20120163A1; EP3333112A1; WO2018104042A1

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DOCDB simple family (publication)

**EP 1541771 A1 20050615**; **EP 1541771 B1 20090930**; AT E444407 T1 20091015; CA 2489610 A1 20050611; DE 20319227 U1 20050421; DE 502004010153 D1 20091112; DK 1541771 T3 20091123; ES 2334227 T3 20100308; JP 2005171754 A 20050630; JP 4584694 B2 20101124; KR 20050058207 A 20050616; NO 20045313 L 20050613; PL 1541771 T3 20100226; US 2005158186 A1 20050721; US 7448312 B2 20081111

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