

Title (en)

Drive apparatus for a worktool, for example of a gripper or a crane

Title (de)

Antriebseinrichtung für ein Arbeitswerkzeug, beispielsweise eines Greifers oder Kranes

Title (fr)

Dispositif d'entraînement pour un outil de travail, par exemple d'un grappin ou d'une grue

Publication

EP 1020396 B1 20050824 (DE)

Application

EP 00100249 A 20000118

Priority

DE 19901779 A 19990118

Abstract (en)

[origin: EP1020396A2] The drive device includes a rotary motor (1) and piston/cylinder unit (2) whose piston rod (5) is axially movable in a hydraulic damping buffer (6) which is preferably provided between the motor and piston rod. The piston rod has on its side facing the motor a ring flange (7) which is engaged from behind by a fastening ring (8) connected to the output side of the motor so that the damping buffer encloses the ring flange with a gap.

IPC 1-7

B66C 3/16; E02F 3/47; B66C 3/00

IPC 8 full level

B66C 3/00 (2006.01); **B66C 3/16** (2006.01); **E02F 3/47** (2006.01)

CPC (source: EP)

B66C 3/16 (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1020396 A2 20000719; **EP 1020396 A3 20040512**; **EP 1020396 B1 20050824**; AT E302733 T1 20050915; DE 19901779 A1 20000810; DE 19901779 B4 20040429; DE 50010999 D1 20050929

DOCDB simple family (application)

EP 00100249 A 20000118; AT 00100249 T 20000118; DE 19901779 A 19990118; DE 50010999 T 20000118