

Title (en)
Power driven screwdriver

Title (de)
Kraftgetriebener Schrauber

Title (fr)
Tournevis motorisé

Publication
EP 0990488 B1 20020123 (DE)

Application
EP 99115724 A 19990810

Priority
DE 19845018 A 19980930

Abstract (en)
[origin: US6176162B1] A screwdriver is disclosed, comprising a removable depth stop which selectably either, when equipped with the depth stop, allows noiseless shutoff or, with the depth stop removed, allows torque-dependent shutoff, without any chattering occurring when the machine continues to run. To this end, an adjustable torque-dependent release clutch is combined with an entrainment clutch of known type, which is additionally preceded by a disconnect clutch, a locking means being provided in order to hold a throwout ring, which forms one of the two elements of the disconnect clutch, in a predetermined position under load. In this way, noiseless operation is ensured after release, both when working with the depth stop and in the case of torque-dependent shutoff, with the depth stop removed.

IPC 1-7
B25B 23/14; **B25B 21/00**

IPC 8 full level
B25B 21/00 (2006.01); **B25B 23/14** (2006.01); **B25B 23/155** (2006.01)

CPC (source: EP US)
B25B 23/0064 (2013.01 - EP US); **B25B 23/14** (2013.01 - EP US); **B25B 23/141** (2013.01 - EP US)

Cited by
CN108789251A; EP2397258A2; DE102010024920A1

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)
US 6176162 B1 20010123; AT E212275 T1 20020215; DE 19845018 C1 19991216; DE 59900765 D1 20020314; EP 0990488 A2 20000405; EP 0990488 A3 20000510; EP 0990488 B1 20020123; ES 2172275 T3 20020916; JP 2000108046 A 20000418; JP 3451039 B2 20030929

DOCDB simple family (application)
US 38872099 A 19990902; AT 99115724 T 19990810; DE 19845018 A 19980930; DE 59900765 T 19990810; EP 99115724 A 19990810; ES 99115724 T 19990810; JP 25268699 A 19990907