

Title (en)
IMPACT DRIVER SCREW DRIVING DEVICE WITH DEPTH ADJUSTMENT

Title (de)
SCHLAGSCHRAUBENDREHER MIT TIEFENEINSTELLUNG

Title (fr)
DISPOSITIF D'ENTRAÎNEMENT DE VIS DE PILOTE D'IMPACT À RÉGLAGE DE PROFONDEUR

Publication
EP 3670084 B1 20220831 (EN)

Application
EP 19212461 A 20191129

Priority
CA 3027891 A 20181218

Abstract (en)
[origin: EP3670084A1] An impact driver screw driving device with depth adjustment has a floating sleeve that surrounds a screw driving mechanism. A floating sleeve spring provides a constant bias between a top of the floating sleeve and a top of the screw driving mechanism. A depth adjustment sleeve is threadedly connected to a lower end of the floating sleeve. The floating sleeve and the depth adjustment sleeve are free to rotate independently of the screw driving device so concussive force of the impact driver does not change a driven screw depth adjustment set by manually rotating the depth adjustment sleeve while gripping the floating sleeve.

IPC 8 full level
B25B 23/00 (2006.01); **B25B 23/12** (2006.01)

CPC (source: EP)
B25B 23/0035 (2013.01); **B25B 23/0064** (2013.01); **B25B 23/12** (2013.01)

Citation (examination)

- US 5996452 A 19991207 - CHIANG SHU CHI [TW]
- US 2940488 A 19600614 - RILEY JR ROBERT H

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3670084 A1 20200624; **EP 3670084 B1 20220831**; CA 3027891 A1 20200618; CA 3027891 C 20200915

DOCDB simple family (application)
EP 19212461 A 20191129; CA 3027891 A 20181218