

Title (en)

COMBUSTION-DRIVEN SETTING TOOL AND METHOD FOR OPERATING SUCH A SETTING TOOL

Title (de)

BRENNKRAFTBETRIEBENES SETZGERÄT UND VERFAHREN ZUM BETREIBEN EINES DERARTIGEN SETZGERÄTS

Title (fr)

OUTIL DE SCELLEMENT A MOTEUR THERMIQUE ET PROCEDE DE FONCTIONNEMENT D'UN OUTIL DE SCELLEMENT

Publication

**EP 3393718 B1 20211020 (DE)**

Application

**EP 16826716 A 20161220**

Priority

- EP 15201871 A 20151222
- EP 2016081860 W 20161220

Abstract (en)

[origin: WO2017108751A1] The invention relates to a fuel-powered setting device (1) for driving securing elements into a substrate, comprising at least one main combustion chamber (6) for a fuel, a drive piston (10) that can be driven out of the main combustion chamber (6) in a setting direction (15) by means of expandable gases, and a prechamber (25) with which an ignition device (26) is associated and in which a pressure acting on the main combustion chamber (6) can build up prior to a fuel-air mixture being ignited in said main combustion chamber (6). To improve efficiency and/or functionality when driving in securing elements, the setting device (1) can be operated in different energy classes by means of an energy adjustment.

IPC 8 full level

**B25C 1/08** (2006.01)

CPC (source: EP US)

**B25C 1/08** (2013.01 - EP US)

Citation (examination)

- EP 2826601 A1 20150121 - HILTI AG [LI]
- US 2004144357 A1 20040729 - ADAMS JOSEPH S [CA]

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 3184248 A1 20170628**; EP 3393718 A1 20181031; EP 3393718 B1 20211020; TW 201722640 A 20170701; TW I615249 B 20180221; US 10926388 B2 20210223; US 2020262041 A1 20200820; WO 2017108751 A1 20170629

DOCDB simple family (application)

**EP 15201871 A 20151222**; EP 16826716 A 20161220; EP 2016081860 W 20161220; TW 105137077 A 20161114; US 201616063806 A 20161220