

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

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Application

EP 16819068 A 20161220

Priority

- EP 15201897 A 20151222
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Abstract (en)

[origin: WO2017108782A1] The invention relates to a fuel-operated firing device (1) for driving securing elements into a substrate, comprising at least one main combustion chamber (6) for a fuel, a driving piston (10) that can be driven out of the main combustion chamber (6) in a firing direction (15) by means of expandable gases, and a pre-chamber (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). In order to improve the efficacy and/or functionality during the driving in of securing elements, a valve system (161) is associated with the pre-chamber (25), by means of which valve system a maximum charge pressure in the pre-chamber (25) can be varied in order to adjust the firing energy provided during the firing operation.

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