

Title (en)
Combustion-driven fastening tool

Title (de)
Brennkraftbetriebenes Setzgerät

Title (fr)
Appareil de scellement à combustion

Publication
EP 1772234 A1 20070411 (DE)

Application
EP 06120938 A 20060920

Priority
DE 102005000134 A 20051005

Abstract (en)
The tool has a combustion chamber (13) combusting an oxidant-fuel mixture, and a ventilator (41) generating a gas flow from an inlet opening (15) via the combustion chamber and toward an outlet opening (19). A combustion energy-driven drive unit (42) comprises an energy accumulator (47) and an energy storage unit (147) is formed as a clockwork drive which stores mechanical energy generated by a combustion energy for utilizing the combustion energy of the setting tool as drive energy for the ventilator. The ventilator is driven for a predetermined time with the use of an actuation switch (38).

IPC 8 full level
B25C 1/08 (2006.01); **F02B 71/00** (2006.01)

CPC (source: EP US)
B25C 1/08 (2013.01 - EP US)

Citation (search report)

- [X] US 2004104258 A1 20040603 - FAVRE-BULLE BERNARD [AT]
- [DA] US 4403722 A 19830913 - NIKOLICH MILOVAN [US]
- [A] US 3967771 A 19760706 - SMITH JAMES E

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EP2491233A4; EP2457697A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1772234 A1 20070411; AU 2006213934 A1 20070419; AU 2006213934 B2 20100617; DE 102005000134 A1 20070412; JP 2007098568 A 20070419; US 2007074684 A1 20070405; US 7424870 B2 20080916

DOCDB simple family (application)
EP 06120938 A 20060920; AU 2006213934 A 20060912; DE 102005000134 A 20051005; JP 2006271949 A 20061003; US 54376906 A 20061004