

Title (en)  
Combustion type fastener driving device

Title (de)  
Brennkraftbetriebenes Setzgerät

Title (fr)  
Outil d'entraînement à combustion de gaz

Publication  
**EP 2090404 A3 20100623 (DE)**

Application  
**EP 09100052 A 20090120**

Priority  
DE 102008000286 A 20080213

Abstract (en)  
[origin: EP2090404A2] The tool (10) has an ignition device (26) generating ignition spark in a combustion chamber (15), and a metering device (21) delivering fuel to the combustion chamber. Control electronics (25) controls the ignition device and metering device, and a set of sensors senses the operational parameters of the setting tool, and is connected with the control electronics, where the sensors include a flue gas sensor (31) for measuring a flue gas component. The flue gas sensor is formed as lambda probe to measure the content of residual oxygen in the flue gas.

IPC 8 full level  
**B25C 1/08** (2006.01)

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

Citation (search report)

- [XYI] WO 2007048006 A2 20070426 - BLACK & DECKER INC [US], et al
- [YD] US 6123241 A 20000926 - APARICIO J OSCAR JR [US]
- [Y] EP 0624721 A1 19941117 - SIEMENS AG [DE]

Cited by  
EP2851158A1; AU2011200597B2; EP2656973A3; US10201892B2; US9664387B2; WO2014026971A3; WO2015039866A1; WO2014026980A3

Designated contracting state (EPC)  
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 SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2090404 A2 20090819; EP 2090404 A3 20100623**; CN 101508102 A 20090819; DE 102008000286 A1 20090820; JP 2009190166 A 20090827; US 2009200353 A1 20090813

DOCDB simple family (application)  
**EP 09100052 A 20090120**; CN 200910005866 A 20090210; DE 102008000286 A 20080213; JP 2009018597 A 20090129; US 32228309 A 20090129