

Title (en)
Fastening device

Title (de)
Eintreibgerät

Title (fr)
Appareil d'enfoncement

Publication
EP 2457697 A3 20151007 (DE)

Application
EP 11186746 A 20111026

Priority
DE 102010061942 A 20101125

Abstract (en)
[origin: EP2457697A2] The apparatus has a fuel tank (5) for storage fuel i.e. liquid gas. A combustion chamber (2) is connected with the tank. The combustion chamber comprises a movable piston for driving a driving plunger. A dosing device (4) is arranged between the tank and the chamber. A defined amount of the fuel from dosing volumes is passed into the chamber by the dosing device. The dosing device has a movable displacement element e.g. reciprocating piston, for discharging the fuel from the dosing volume. Movement of the displacement element is driven by pressure of the fuel as a power supply.

IPC 8 full level
B25C 1/08 (2006.01)

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

Citation (search report)

- [XAYI] DE 10326473 B3 20041216 - HILTI AG [LI]
- [XAI] US 2010108734 A1 20100506 - ADAMS JOSEPH S [CO]
- [YA] US 2003218042 A1 20031127 - ODONI WALTER [LI], et al
- [A] EP 1772234 A1 20070411 - HILTI AG [LI]
- [A] FR 2854587 A1 20041112 - HILTI AG [LI]

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2457697 A2 20120530; EP 2457697 A3 20151007; CA 2758489 A1 20120525; DE 102010061942 A1 20120531; JP 2012111031 A 20120614; JP 5926036 B2 20160525; US 2012132689 A1 20120531

DOCDB simple family (application)
EP 11186746 A 20111026; CA 2758489 A 20111115; DE 102010061942 A 20101125; JP 2011254073 A 20111121; US 201113302270 A 20111122