

Title (en)
Fastening device

Title (de)
Eintreibgerät

Title (fr)
Outil d'enfoncement

Publication
EP 2463062 A3 20130227 (DE)

Application
EP 11189323 A 20111116

Priority
DE 102010062895 A 20101213

Abstract (en)
[origin: EP2463062A2] The apparatus has tank for storing a fuel such as liquefied petroleum gas (LPG). A combustion chamber (3) comprises a movable piston (1) for driving a plunger (4), and ignition device for igniting air-fuel mixture in combustion chamber. An electrically operated vaporization portion (8) is provided in fuel jet and fuel impingement region (6,7) for supply of fuel to the combustion chamber.

IPC 8 full level
B25C 1/08 (2006.01)

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

Citation (search report)

- [X1] US 4913331 A 19900403 - UTSUMI HIROMU [JP], et al
- [X1] US 2002117128 A1 20020829 - SHKOLNIKOV YURY [US], et al
- [A] US 2010108734 A1 20100506 - ADAMS JOSEPH S [CO]
- [A] US 2009200353 A1 20090813 - DITTRICH TILO [CH], et al

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 2463062 A2 20120613; EP 2463062 A3 20130227; AU 2011253995 A1 20120628; CA 2759601 A1 20120613; CN 102528751 A 20120704; DE 102010062895 A1 20120614; JP 2012125915 A 20120705; TW 201235164 A 20120901; US 2012312857 A1 20121213

DOCDB simple family (application)
EP 11189323 A 20111116; AU 2011253995 A 20111213; CA 2759601 A 20111129; CN 201110405058 A 20111208; DE 102010062895 A 20101213; JP 2011270515 A 20111209; TW 100141557 A 20111115; US 201113316918 A 20111212