

Title (en)
Pump and feeding device

Title (de)
Pumpe und Fördereinrichtung

Title (fr)
Pompe et installation d'alimentation

Publication
EP 1701035 A1 20060913 (FR)

Application
EP 06290346 A 20060301

Priority
FR 0502047 A 20050301

Abstract (en)
The pump has a piston defining chambers (82, 89) with a cylinder. The chambers have volumes varying, in phase opposition, progressively with the piston rotation, so that one chamber is alternatively in positions of aspiration and repression of liquid via an inlet and an outlet respectively, and the other is alternatively in positions of aspiration and repression of gas, liquid or mixture of both via an inlet and an outlet respectively. An independent claim is also included for an installation supplying a liquid consuming device e.g. burner, with a fuel oil, susceptible of containing a gas, from a tank containing fuel oil, including a pump.

IPC 8 full level
F04B 7/06 (2006.01); **F23K 5/04** (2006.01)

CPC (source: EP)
F04B 7/06 (2013.01); **F23K 5/142** (2013.01)

Citation (search report)

- [A] US 5312233 A 19940517 - TANNY MARK N [US], et al
- [A] WO 03044372 A1 20030530 - SCHNABL PETER [DE], et al
- [A] EP 0042900 A1 19820106 - FONDERIE SOC GEN DE [FR]

Cited by
EP2096355A1; WO2009106570A3

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

DOCDB simple family (publication)
EP 1701035 A1 20060913; EP 1701035 B1 20080521; AT E396339 T1 20080615; CY 1108242 T1 20140212; DE 602006001219 D1 20080703; DK 1701035 T3 20080929; ES 2306397 T3 20081101; FR 2882795 A1 20060908; FR 2882795 B1 20070511; PL 1701035 T3 20081031

DOCDB simple family (application)
EP 06290346 A 20060301; AT 06290346 T 20060301; CY 081100826 T 20080806; DE 602006001219 T 20060301; DK 06290346 T 20060301; ES 06290346 T 20060301; FR 0502047 A 20050301; PL 06290346 T 20060301