

Title (en)
Oscillating column burner.

Title (de)
Schwingbrenner.

Title (fr)
Brûleur à oscillations.

Publication
EP 0092057 A2 19831026 (DE)

Application
EP 83102666 A 19830317

Priority
DE 3214932 A 19820421

Abstract (en)
1. Pulsatory burner having a combustion chamber (2) to which there leads, for the periodic intake of liquid fuel, a nozzle (4) arranged in a suction pipe (42) and connected by way of a conduit (10) containing a non-return valve (8) with a fuel vessel (12), and having a starting air pump (18) by means of which, for starting, an air current can be generated which sweeps over the nozzle (4) and is directed to the combustion chamber (2), characterised in that the conduit (10) is conducted through a chamber (20) the volume of which can be reduced by displacement of a wall (22) by means of compressed air delivered by the starting air pump (18), in that in the conduit (10) between the chamber (20) and the fuel vessel (12) there is situated a valve (28) which can be opened against spring pressure (26) by the fuel flowing out of the fuel vessel (12) and in that the valve (28) comprises a setting member (32) upon which the displaceable wall (22) acts, after a pre-determined displacement distance, for the opening of the valve (28).

Abstract (de)
Schwingbrenner mit einer Brennkammer, zu der zum periodischen Ansaugen von flüssigem Kraftstoff eine in einem Ansaugrohr angeordnete Düse führt, die über eine ein Rückschlagventil enthaltende Leitung mit einem Kraftstoffbehälter verbunden ist, und mit einer Startluftpumpe, mittels der zum Starten ein die Düse überstreichender, zur Brennkammer gerichteter Luftstrom zu erzeugen ist, dadurch gekennzeichnet, daß die Leitung durch eine Kammer geführt ist, deren Volumen durch Verschieben einer Wand mittels von der Startluftpumpe gelieferter Druckluft zu verkleinern ist.

IPC 1-7
F23D 11/42; **F23C 11/04**

IPC 8 full level
F23C 15/00 (2006.01); **F23D 11/42** (2006.01)

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