

Title (en)  
A high-pressure pump for an internal-combustion engine

Title (de)  
Hochdruckpumpe für eine Brennkraftmaschine

Title (fr)  
Pompe à haute pression pour un moteur à combustion interne

Publication  
**EP 1657429 A1 20060517 (EN)**

Application  
**EP 04425838 A 20041112**

Priority  
EP 04425838 A 20041112

Abstract (en)  
Described herein is a pump (7) for supplying a pressurized fuel to an internal-combustion engine, provided with: a body (16); a compartment (17) made within the body (16); at least one pumping element (13) housed in a mobile way in the compartment (17) for raising the pressure of the fuel; fluid-supply means (21) for delivering the fuel to the pumping element (13); and an inlet mouth (20) made in the body (16), supplied with the fuel coming directly from an external source (2) and fluidically connected to the compartment (17) for supplying it with the fuel for the purpose of lubricating and/or cooling the pump (7) itself; the fluid-supply means (21) comprise at least one further inlet mouth (21), which is made in the body (16) and is fluidically connected to the pumping element (13) for supplying it with the fuel received directly from the external source (2).

IPC 8 full level  
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CPC (source: EP)  
**F04B 1/0404** (2013.01)

Citation (search report)  
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ITMI20081928A1; US10774775B2

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