

Title (en)  
Large uniflow two-stroke diesel engine of the crosshead type

Title (de)  
Grosser Zweitakt-Kreuzkopfdieselmotor mit Gleichstromspülung

Title (fr)  
Gros moteur diesel à deux temps à balayage continu et à crosse

Publication  
**EP 2138703 B1 20100922 (EN)**

Application  
**EP 09011142 A 20060412**

Priority  
• EP 2006003367 W 20060412  
• EP 06742569 A 20060412

Abstract (en)  
[origin: WO2007115580A1] A large uniflow two-stroke diesel engine of the crosshead type with a plurality of cylinders with at least one exhaust valve (11) per cylinder and one or more fuel injectors (23) per cylinder. The fuel injection is performed under the influence of a source of high-pressure fluid. Potential energy is accumulated by compression in a volume (67) of the high-pressure fluid. Electro-hydraulic valves (39) control the fuel injection that is primarily driven by energy accumulated in the volume (67) of high pressure. The engine has a camshaft (28) for actuation of the exhaust valves (11). Hydraulic piston pumps (37) are driven by the cams (29) on the camshaft. Hydraulic actuators (21) move the exhaust valves (11) in the opening direction with hydraulic fluid received via conduits from the hydraulic piston pumps (37) .

IPC 8 full level  
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