

Title (en)  
DIESEL PILE HAMMER

Title (de)  
DIESELHAMMER

Title (fr)  
MOUTON DIESEL

Publication  
**EP 1828488 A1 20070905 (DE)**

Application  
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Abstract (en)  
[origin: US2009071672A1] The invention relates to a diesel pile hammer (10) which comprises a cylinder (12), a piston (14) slidably mounted inside the cylinder (12), and an impact piece (16) slidably mounted inside the cylinder (12), said impact piece being arranged below the piston (14) in the operating position of the diesel pile hammer (10). A working compartment (32) is axially delimited by a face (36) of the impact piece (16) lying inside the cylinder (12) and a face (46) of the piston (14). A fuel supply device (52, 55, 62, 68) feeds a defined amount of fuel, especially diesel oil, to said working compartment with every working cycle. The fuel supply device (52, 55, 62, 68) is configured to inject the fuel into the working compartment (32) of the cylinder (12) optionally in a first mode of injection as an atomized fuel spray (76) or in a second mode of injection as a fuel jet (74) or in a third mode of injection both as an atomized fuel spray (76) and as a fuel jet (74).

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Cited by  
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