

Title (en)
Diesel pile driver

Title (de)
Dieselramme

Title (fr)
Mouton diesel

Publication
EP 2871287 B1 20160608 (DE)

Application
EP 13192600 A 20131112

Priority
EP 13192600 A 20131112

Abstract (en)
[origin: US2015129271A1] A diesel hammer pile driver has a cylinder, a piston displaceably guided in the cylinder and a striker displaceably guided in the cylinder. The striker is disposed underneath the piston in the operating position of the diesel hammer pile driver. A combustion chamber is delimited axially by a face surface of the striker that lies in the interior of the cylinder and by a face surface of the piston, and opens into a fuel feed device. Using the fuel feed device a predetermined amount of fuel can be introduced into the combustion chamber during each working cycle. At least two working connectors are disposed to pass through the circumference wall of the cylinder at the level of the fuel feed device, wherein at least one working connector is provided with a muffler device.

IPC 8 full level
E02D 7/12 (2006.01)

CPC (source: EP US)
E02D 7/125 (2013.01 - EP US)

Citation (examination)
US 3897851 A 19750805 - HEACOX RUSSEL L

Designated contracting state (EPC)
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EP 2871287 A1 20150513; EP 2871287 B1 20160608; CN 104631455 A 20150520; US 2015129271 A1 20150514

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EP 13192600 A 20131112; CN 201410633628 A 20141112; US 201414533165 A 20141105