

Title (en)  
STIRLING CYCLE MACHINE

Title (de)  
STIRLING-KREISPROZESSMASCHINEN

Title (fr)  
MACHINE À CYCLE DE STIRLING

Publication  
**EP 2971719 B1 20200812 (EN)**

Application  
**EP 14724566 A 20140314**

Priority  
• US 201313836946 A 20130315  
• US 2014027835 W 20140314

Abstract (en)  
[origin: WO2014143745A1] An external combustion engine. The external combustion engine includes a working fluid and includes a burner element for heating the working fluid of the engine, at least one heater head defining a working space containing the working fluid, at least one piston cylinder containing a piston for compressing the working fluid, a cooler for cooling the working fluid, a crankcase including a crankshaft for producing an engine output, a rocking beam rotating about a rocker pivot for driving the crankshaft, a piston rod connected to the piston, a rocking beam driven by the piston rod, and a connecting rod connected at a first end to the rocking beam and at a second end to a crankshaft to convert rotary motion of the rocking beam to rotary motion of the crankshaft. Also, the external combustion engine including a piston rod seal unit including a housing, a cylinder gland, and at least one floating rod seal assembly mounted in the cylinder gland, the floating rod seal assembly comprising at least one rod seal mounted onto the floating rod seal assembly.

IPC 8 full level  
**F02G 1/053** (2006.01)

CPC (source: EP)  
**F02G 1/0535** (2013.01); **F02G 2253/03** (2013.01); **F02G 2253/80** (2013.01)

Citation (examination)  
• JP S6296764 A 19870506 - MITSUBISHI ELECTRIC CORP  
• US 4645212 A 19870224 - LUNDHOLM GUNNAR [SE]

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DOCDB simple family (publication)  
**WO 2014143745 A1 20140918**; CA 2905488 A1 20140918; CA 2905488 C 20211026; CN 105190001 A 20151223; CN 105190001 B 20180717; EP 2971719 A1 20160120; EP 2971719 B1 20200812; MX 2015013251 A 20160607

DOCDB simple family (application)  
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