

Title (en)  
STIRLING ENGINE

Title (de)  
STIRLINGMOTOR

Title (fr)  
MOTEUR STIRLING

Publication  
**EP 3530921 A1 20190828 (EN)**

Application  
**EP 17862104 A 20170922**

Priority  
• JP 2016204542 A 20161018  
• JP 2017034306 W 20170922

Abstract (en)  
A Stirling engine 1 includes: pistons 3 and 4 that reciprocate in a cylinder 2; a heat exchanger 7 that promotes contraction and expansion of an operating fluid in the cylinder 2; and a power takeout device 11 that converts a reciprocation driving force by each of the pistons 3 and 4 to a rotative force. The heat exchanger 7 alternately repeats contraction and expansion of the operating fluid in the cylinder 2 to cause the pistons 3 and 4 to reciprocate. The power takeout device 11 is disposed in a crank box 50 incorporated in a crankcase 13, and lubricating oil is stored in the crank box 50.

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

CPC (source: EP)  
**F02G 1/053** (2013.01); **F02G 2270/95** (2013.01)

Designated contracting state (EPC)  
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