

Title (en)

TWO-CYLINDER STIRLING ENGINE, MULTIPLE-CYLINDER STIRLING ENGINE AND ELECTRIC ENERGY GENERATION SYSTEM

Title (de)

DOPPELZYLINDER-STIRLING-MOTOR, MEHRZYLINDER-STIRLING-MOTOR SOWIE ELEKTROENERGIE-ERZEUGUNGSSYSTEM

Title (fr)

MOTEUR STIRLING À DOUBLE CYLINDRE, MOTEUR STIRLING À CYLINDRE MULTIPLE ET SYSTÈME DE GÉNÉRATION D'ÉNERGIE ÉLECTRIQUE

Publication

**EP 3146190 B1 20181128 (DE)**

Application

**EP 15725538 A 20150513**

Priority

- DE 102014107308 A 20140523
- EP 2015060670 W 20150513

Abstract (en)

[origin: WO2015177035A1] The invention relates to a two-cylinder Stirling engine with a pair of opposite displacer cylinders (10A, 10B) which are mirror-symmetrical relative to a mirror plane perpendicular to a displacement axis (41), each of the displacer cylinders having a hot zone (12A, 2B) comprising a hot plate, a cold zone comprising a cold plate, and a displacer piston (11A, 1B) movable between these zones along the displacement axis (41), and wherein the displacer pistons of the pair of displacer cylinders are mechanically coupled to each other by a rigid piston rod (40) movable along the displacement axis (41) which forms the common axis (41) of displacement for the displacer pistons (11A, 11B) of the pair of displacer cylinders (figure 3). Fig 3 Noting to translate

IPC 8 full level

**F02G 1/043** (2006.01)

CPC (source: EP)

**F02G 1/043** (2013.01); **F02G 2244/00** (2013.01); **F02G 2244/50** (2013.01); **F02G 2244/54** (2013.01)

Cited by

WO2021175353A1; DE202020000844U1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102014107308 A1 20151126**; **DE 102014107308 B4 20201217**; EP 3146190 A1 20170329; EP 3146190 B1 20181128; WO 2015177035 A1 20151126

DOCDB simple family (application)

**DE 102014107308 A 20140523**; EP 15725538 A 20150513; EP 2015060670 W 20150513