

Title (en)
STIRLING ENGINE

Title (de)
STIRLINGMOTOR

Title (fr)
MOTEUR STIRLING

Publication
EP 3530922 A4 20191009 (EN)

Application
EP 17862650 A 20170922

Priority
• JP 2016204541 A 20161018
• JP 2017034305 W 20170922

Abstract (en)
[origin: EP3530922A1] A Stirling engine 1 includes: a piston 4 that reciprocates 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 the piston 4 to a rotative force. The power takeout device 11 is disposed in a crank box 50 incorporated in a crankcase 13 so that a first buffer chamber 17b is defined outside the crank box 50 and a second buffer chamber 17c is defined inside the crank box 50 in the crankcase 13. The first and second buffer chambers 17b and 17c communicate with each other through a breather 32.

IPC 8 full level
F02G 1/053 (2006.01)

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

Citation (search report)
• [XA] JP H0291456 A 19900330 - AISIN SEIKI
• [A] JP 2008157193 A 20080710 - KAWASAKI HEAVY IND LTD
• [A] JP 2004340096 A 20041202 - FUJI HEAVY IND LTD
• See references of WO 2018074141A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3530922 A1 20190828; EP 3530922 A4 20191009; JP 2018066297 A 20180426; JP 6696880 B2 20200520; WO 2018074141 A1 20180426

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EP 17862650 A 20170922; JP 2016204541 A 20161018; JP 2017034305 W 20170922