

Title (en)
SYSTEM AND APPARATUS FOR ENERGY CONVERSION

Title (de)
SYSTEM UND VORRICHTUNG ZUR ENERGIEUMWANDLUNG

Title (fr)
SYSTÈME ET APPAREIL DE CONVERSION D'ÉNERGIE

Publication
EP 3973167 B1 20230712 (EN)

Application
EP 20733878 A 20200520

Priority

- US 201916418129 A 20190521
- US 201962850599 P 20190521
- US 201962850623 P 20190521
- US 201962850678 P 20190521
- US 201962850692 P 20190521
- US 201962850701 P 20190521
- US 2020033717 W 20200520

Abstract (en)
[origin: WO2020236882A1] An aspect of the present disclosure is directed to a system for energy conversion. The system includes a closed cycle engine containing a volume of working fluid. The engine includes an expansion chamber and a compression chamber each separated by a piston attached to a connection member of a piston assembly. The engine further includes a plurality of heater conduits extended from the expansion chamber. The engine includes a plurality of chiller conduits extended from the compression chamber. The expansion chamber and heater conduits are fluidly connected to the compression chamber and chiller conduits via a walled conduit.

IPC 8 full level
F02G 1/055 (2006.01)

CPC (source: CN EP)
F02G 1/055 (2013.01 - CN EP); **F02G 2256/04** (2013.01 - CN EP)

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)
WO 2020236882 A1 20201126; WO 2020236882 A4 20210114; CN 114127405 A 20220301; EP 3973167 A1 20220330; EP 3973167 B1 20230712; EP 3973167 B8 20230816; EP 4249745 A2 20230927; EP 4249745 A3 20231206

DOCDB simple family (application)
US 2020033717 W 20200520; CN 202080052153 A 20200520; EP 20733878 A 20200520; EP 23184858 A 20200520