

Title (en)
Rankine Cycle System

Title (de)
Rankine-Zyklussysteme

Title (fr)
Système de cycle de Rankine

Publication
EP 2360354 A3 20120627 (EN)

Application
EP 10186737 A 20101006

Priority
US 57789309 A 20091013

Abstract (en)
[origin: US2011083437A1] The rankine cycle system includes an evaporator coupled to a heat source and configured to circulate a working fluid in heat exchange relationship with a hot fluid from the heat source so as to heat the working fluid and vaporize the working fluid. An expander is coupled to the evaporator and configured to expand the vaporized working fluid from the evaporator. The exemplary expander is operable at variable speed. A condenser is coupled to the expander and configured to condense the vaporized working fluid from the expander. A pump is coupled to the condenser and configured to feed the condensed working fluid from the condenser to the evaporator.

IPC 8 full level
F01K 7/02 (2006.01); **F01K 13/02** (2006.01); **F01K 25/08** (2006.01)

CPC (source: EP US)
F01K 7/025 (2013.01 - EP US); **F01K 13/02** (2013.01 - EP US); **F01K 25/08** (2013.01 - EP US)

Citation (search report)

- [E] WO 2010129003 A1 20101111 - DANFOSS TURBOCOR, et al
- [XY] DE 202007016668 U1 20080228 - GMK GES FUER MOTOREN UND KRAFT [DE]
- [X] EP 2014880 A1 20090114 - UNIV GENT [BE]
- [YA] US 2009000299 A1 20090101 - AST GABOR [DE], et al

Cited by
US9243520B2; WO2012085262A1; WO2014146007A1

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)
US 2011083437 A1 20110414; EP 2360354 A2 20110824; EP 2360354 A3 20120627

DOCDB simple family (application)
US 57789309 A 20091013; EP 10186737 A 20101006