

Title (en)
REGENERATIVE COOLING SYSTEM

Title (de)
REGENERATIVES KÜHLSYSTEM

Title (fr)
SYSTÈME DE REFROIDISSEMENT RÉGÉNÉRATIF

Publication
EP 3585993 B1 20210407 (FR)

Application
EP 18707106 A 20180212

Priority
• FR 1751571 A 20170227
• FR 2018050335 W 20180212

Abstract (en)
[origin: WO2018154214A1] The regenerative cooling system (100) is provided for a regenerative heat engine (1) and comprises a cooling chamber (79) which surrounds a gas pressure reducer (78) while leaving a gas flow space (80) between the chamber (79) and the pressure reducer (78); a working gas (81) that is expelled from the gas pressure reducer (78) flows within said space (80) before returning to a regenerating heat exchanger (5) for cooling, a large part of the heat of said gas (81) being reintroduced into the thermodynamic cycle of the regenerating heat engine (1).

IPC 8 full level
F02G 1/02 (2006.01)

CPC (source: EP KR)
F02G 1/02 (2013.01 - EP KR); **F02G 1/055** (2013.01 - KR); **F02G 1/057** (2013.01 - KR)

Cited by
WO2023152451A1; FR3132737A1; WO2023152701A1; FR3132747A1; US12000357B2

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 2018154214 A1 20180830; AU 2018225327 A1 20190822; AU 2018225327 B2 20240104; CA 3053015 A1 20180830; CN 110234863 A 20190913; CN 110234863 B 20220318; EP 3585993 A1 20200101; EP 3585993 B1 20210407; ES 2874807 T3 20211105; FR 3063311 A1 20180831; FR 3063311 B1 20190719; JP 2020509282 A 20200326; JP 7065106 B2 20220511; KR 102525744 B1 20230425; KR 20190116275 A 20191014

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