

Title (en)
STIRLING ENGINE

Title (de)
STIRLINGMOTOR

Title (fr)
MOTEUR STIRLING

Publication
EP 0890022 B1 20010613 (DE)

Application
EP 97914283 A 19970321

Priority
• DE 19612616 A 19960329
• EP 9701428 W 19970321

Abstract (en)
[origin: US6161381A] PCT No. PCT/EP97/01428 Sec. 371 Date May 6, 1999 Sec. 102(e) Date May 6, 1999 PCT Filed Aug. 21, 1997 PCT Pub. No. WO97/37119 PCT Pub. Date Oct. 9, 1997In a Stirling engine with a cylinder head which can be heated, with a plurality of heating pipes bent in approximately U shape and with a cooler the the heat transfer to the heating pipes and the efficiency of the cooler are improved. This For this purpose the outwardly directed pipe sections (4c) of the heating pipes (4) through which the working medium flows are provided at least locally with a ceramic backing (11) for optimization of the flow (10) of the heating gas and the cooler is in the form of a light metal body (20) with radial ribs (23) within a pot-like housing (21), through which cooling water flows. The spacing of the radial ribs (23) from one another is greater than the gap (25) between the pot inner wall and the outer radial ribs bounding wall.

IPC 1-7
F02G 1/055

IPC 8 full level
F02G 1/055 (2006.01)

CPC (source: EP US)
F02G 1/055 (2013.01 - EP US); **F02G 2243/02** (2013.01 - EP US); **F02G 2255/20** (2013.01 - EP US)

Designated contracting state (EPC)
AT CH DE DK FI FR GB IT LI NL SE

DOCDB simple family (publication)
US 6161381 A 20001219; AT E202185 T1 20010615; AU 2158997 A 19971022; AU 736605 B2 20010802; CA 2250224 A1 19971009; CA 2250224 C 20040203; CN 1100203 C 20030129; CN 1217765 A 19990526; DE 19612616 A1 19971002; DE 19612616 C2 20020307; DE 29620914 U1 19970703; DE 59703803 D1 20010719; DK 0890022 T3 20010903; EP 0890022 A1 19990113; EP 0890022 B1 20010613; JP 2000506583 A 20000530; NO 984511 D0 19980928; NO 984511 L 19981130; WO 9737119 A1 19971009

DOCDB simple family (application)
US 15550599 A 19990506; AT 97914283 T 19970321; AU 2158997 A 19970321; CA 2250224 A 19970321; CN 97194116 A 19970321; DE 19612616 A 19960329; DE 29620914 U 19961202; DE 59703803 T 19970321; DK 97914283 T 19970321; EP 9701428 W 19970321; EP 97914283 A 19970321; JP 52549297 A 19970321; NO 984511 A 19980928