

Title (en)
Piston and cylinders for a Stirling engine

Title (de)
Kolben und Zylinder für einen Stirling-Motor

Title (fr)
Piston et cylindre pour un moteur Stirling

Publication
EP 1239137 A3 20030528 (DE)

Application
EP 02400014 A 20020305

Priority
DE 10110446 A 20010305

Abstract (en)
[origin: EP1239137A2] The piston and cylinder unit includes a piston with at least one piston ring groove (35). The spacing between the piston ring groove closest to the crankshaft and the bottom edge (43) of the piston body (41) is between 0.66 and 1.5 times the piston stroke, preferably between 0.9 and 1.1 times the piston stroke. The cylinder is made of globular gray-cast iron, and its running surface is induction-hardened.

IPC 1-7
F02G 1/043

IPC 8 full level
F02G 1/043 (2006.01); **F02G 1/053** (2006.01)

CPC (source: EP)
F02G 1/043 (2013.01); **F02G 1/053** (2013.01); **F02G 2243/30** (2013.01); **F02G 2244/00** (2013.01); **F02G 2244/10** (2013.01); **F02G 2270/40** (2013.01); **F02G 2270/45** (2013.01); **F05C 2225/04** (2013.01)

Citation (search report)

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- [A] US 5755100 A 19980526 - LAMOS RICHARD A [VI]
- [A] DE 2851806 A1 19800612 - BRIGGS & STRATTON CORP
- [A] CH 347677 A 19600715 - ENERGY LIMITED [IE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 197 (M - 239) 27 August 1983 (1983-08-27)

Cited by
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