

Title (en)

Refrigerating machine operating according to the Stirling cycle

Title (de)

Mit dem Stirling-Kreislauf arbeitende Kältemachine

Title (fr)

Machine à froid fonctionnant suivant le cycle de stirling

Publication

**EP 1701113 A1 20060913 (FR)**

Application

**EP 06290168 A 20060127**

Priority

FR 0501100 A 20050203

Abstract (en)

The machine has a compressor comprising a compression piston (6) which is moved in a compression cylinder. The piston has a crank (12) with a variable length during the rotation of a crankshaft (11) so that the movement of the piston is slowed down during its passage from top dead center and bottom dead center. The crank is formed of crank sections (12a, 12b) which are articulated with each other.

IPC 8 full level

**F25B 9/14** (2006.01)

CPC (source: EP US)

**F25B 9/14** (2013.01 - EP US); **F25B 2500/12** (2013.01 - EP US); **F25B 2500/18** (2013.01 - EP US)

Citation (search report)

- [XA] BE 1011918 A3 20000307 - BELGE DE CONSTRUCTION ET D ENG [BE]
- [XA] FR 2084109 A5 19711217 - KNOEOES STELLAN
- [A] US 4206609 A 19800610 - DURENEC PETER [US]
- [XA] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05 30 April 1998 (1998-04-30)
- [XA] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12 26 December 1996 (1996-12-26)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08 30 June 1999 (1999-06-30)

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