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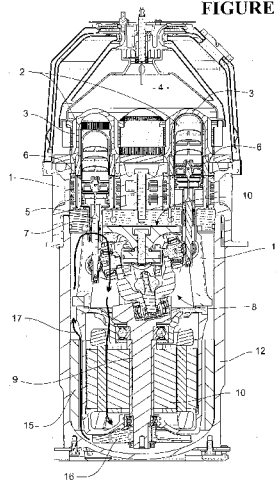
- with international search report (Art. 21(3))
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(54) Title: SEALED ENGINE/COMPRESSOR HOUSING COMPRISING AN ADSORPTION ELEMENT

FIGURE 2



(57) Abstract: An electrical power and heat co-generation unit typically comprising a Stirling engine includes an adsorption element within a sealed interior of the unit which is effective to remove from gas circulating within the interior of the machine hydrocarbons or other chemical species originating from within the interior of the machine from a grease, a lubricant, a retaining compound, or a sealant to reduce carburisation and/or oxidation of internal components. The unit may also comprise within the sealed interior of the machine an atmosphere dosing fluid which is effective to react with hydrocarbons or other chemical species circulating in the interior of machine in addition to a working fluid of the machine, to produce reaction products which can be removed by the sorption element.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

see below under the Electronic databases consulted

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC: (i) keywords: machine?, hermetic+, absorb+, chemical+ (ii) keywords: stirring, absorb+, chemical+ (iii) IPC, ECLA: F02G with keywords: absorb+, chemical+ (iv) IPC, ECLA: F25B 9/14 with keywords: absorb+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 4667474 A (KODA et al.) 26 May 1987 Column 2, line 67 –column 4, line 11, figures 2-8 Column 2, line 67 –column 4, line 11, figures 2-8	1, 2-4, 6, 7, 10 8
Y	US 5074114 A (MEIJER et al.) 24 December 1991 The whole document, specifically the abstract and figure	8
X	US 3793846 A (DEHNE) 26 February 1974 The whole document, specifically column 3, lines 17-33; column 6, lines 8-14	1, 2, 5-7, 10, 12, 13
X	JP 2001-124428 A (SANYO ELECTRIC CO LTD) 11 May 2001 English abstract and figure retrieved from WPI database, and the PAJ online translation	1, 2, 5-7, 10, 12

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4817390 A (SUGANAMI et al.) 4 April 1989 The whole document, especially column 4, lines 2- 11	1, 2, 5-7, 10, 12
X	GB 2219384 A (RICOR LIMITED) 06 December 1989 Page 3, lines 10-37, figures 1-2	1, 2, 5, 7, 10, 12, 14
X	US 6216467 B1 (O'NEIL et al.) 17 April 2001 Column 5, lines 26-40, figures 2-4	1, 2, 5, 7, 10, 12, 14
X	US 6595007 B2 (AMANO) 22 July 2003 Column 5, line 23 to column 6, line 10, figures 1 & 2	1, 2, 5, 7, 10, 12
X A	US 4020645 A (PITTATORE) 3 May 1977 Column 2, lines 119-24, column 3, lines 10-14, figures 1 & 2 Column 2, lines 119-24, column 3, lines 10-14, figures 1 & 2	1, 2, 6, 7, 10 9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ2008/000228

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	4667474	EP	0212844	JP	62032267
US	5074114	EP	0457399		
US	3793846	NONE			
JP	2001124428	NONE			
US	4817390	DE	3740810	JP	63150480
GB	2219384	FR	2633035	IL	86611
US	6216467	GB	2343503		
US	6595007	BR	0016515	CA	2394756
		EP	1251320	JP	2001174087
		WO	2001046627	CN	1413295
				US	2003000226
US	4020645	BR	7506404	CH	591665
		ES	441666	DE	2544418
				FR	2286957
				ZA	7506206
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					