Title: COMPRESSOR VALVE WITH INTEGRATED SENSOR

Abstract: This present application discloses an improved valve configuration such that an indicator port is incorporated directly within the valve allowing a sensing device to be mounted directly to the valve or within the valve body, this application being directed to both suction and discharge valves which sense at least one condition within a compressor comprising a cylinder, a piston, at least one discharge valve, and at least one suction valve, the valve further including a valve guard, a valve seat, a hollow area adapted and configured for housing a sensing device and a sensing device disposed within the hollow area.
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F04B39/10 F04B51/00

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)

IPC 7 F04B

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category *</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
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<tbody>
<tr>
<td>X</td>
<td>US 5 567 121 A (PETEERSON WILLIAM C) 22 October 1996 (1996-10-22)</td>
<td>1-4,10, 12,13, 15,20</td>
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<td>column 3, line 21 - line 49; figure 1</td>
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<td>A</td>
<td>US 5 846 056 A (RAMBIN JR LEROY M ET AL) 8 December 1998 (1998-12-08)</td>
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<td>column 5, line 32 - line 44; figure 2</td>
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☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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*8* document member of the same patent family

Date of the actual completion of the international search

28 September 2001

Date of mailing of the international search report

05/10/2001

Name and mailing address of the ISA

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Ingelbrecht, P

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<tr>
<td>US 5567121 A 22-10-1996</td>
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<td>US 5846056 A 08-12-1998</td>
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