Abstract: A system and method for air flow control in a turbocharger is provided. The system can have a control device for providing a compressed fluid to an engine (12, 112). The device can have a housing (33), a compressor (28, 170) in fluid communication with a source of fluid and the engine (12, 112) where the compressor (28, 170) has an inlet (58) and an outlet where the compressor (28, 170) is positioned in the housing (33). The device can also have a flow controller (52) in fluid communication with the inlet (58) and outlet of the compressor (28, 170), where the flow controller (52) selectively provides the compressed fluid from the outlet of the compressor (28, 170) to the inlet (58) of the compressor (28, 170) and provides the fluid to the engine (12, 112) by bypassing the compressor (28, 170).
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
## INTERNATIONAL SEARCH REPORT

**PCT/ISA/210 (second sheet) (May 2008)**

### A. CLASSIFICATION OF SUBJECT MATTER

**F02B 29/00(2006.01)i, F02B 33/44(2006.01)i**

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 F02B 29/00, 33/44, 37/00

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

- Korean utility models and applications for utility models since 1975
- Japanese utility models and applications for utility models since 1975

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

- eKIPASS (KIPO internal) & key words turbocharger, supercharger, compressor, turbine, valve, engine, intake, combustion

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
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<tbody>
<tr>
<td>Y</td>
<td>JP 63-162929 A (FUJI HEAVY IND LTD) 06 July 1988 See claim 1, and figure 1</td>
<td>1-4, 8-10, 14-20</td>
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<td>Y</td>
<td>JP 59-18226 A (AISIN SEIKI CO, LTD) 30 January 1984 See claim 1, and figure 1</td>
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<td>Y</td>
<td>US 5,155,999 A (ffROSHT HASHIMOTO et al) 20 October 1992 See abstract, claim 1, and figures 2, 3</td>
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<td>Y</td>
<td>JP 2007-71 150 A (MITSUBISHI MOTORS CORP) 22 March 2007 See paragraph 15, and figure 1, 2</td>
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  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
  
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& document member of the same patent family

**Date of the actual completion of the international search** 13 APRIL 2009 (13 04 2009)

**Date of mailing of the international search report** 13 APRIL 2009 (13.04.2009)

**Name and mailing address of the ISA/KR**

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