Title: A FLOW DIVERTER FOR A DOWN-PIPE

Abstract: A connector which has an inlet and an outlet, along with an additional by-pass portion. The by-pass portion is moveable between two configurations; a non by-pass configuration and a by-pass configuration, wherein when the by-pass portion is in the non by-pass configuration this allows liquid to pass through the inlet and exit the outlet; and when the by-pass portion is in the by-pass configuration there is a region of the internal surface of the connector which at least partially overlaps the by-pass portion so that liquid entering the inlet can be redirected along the by-pass portion and out the by-pass outlet to effectively prevent liquid from exiting the outlet.
A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. \textit{E04D 13/08} (2006.01) \textit{E03B 3/02} (2006.01)

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)

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)

\textit{DWPI: IPC E04D, E03B & Key Words (by-pass, divert, downpipe, pivot, swivel and similar terms)}

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>X</td>
<td>US 6024127 A (JOHNSON) 15 February 2000 See figures 1-5</td>
<td>1-7, 13-24, 26, 27, 29-34</td>
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<td>A</td>
<td>EP 0277669 B1 (RHEINZINK GMBH) 20 December 1989 See figures</td>
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<td>DE 2908621 A1 (RHEINISCHES ZINKWALZWERK GMBH &amp; CO KG) 18 September 1980 See figure 2</td>
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<td>CH 673867 A5 (GUGLIELMO CAPACCIO) 12 April 1990 See figures</td>
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Further documents are listed in the continuation of Box C

\( \square \) See patent family annex

* Special categories of cited documents:
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  - "E" earlier application or patent but published on or after the international filing date
  - "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
  - "O" document referring to an oral disclosure, use, exhibition or other means
  - "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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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"&" document member of the same patent family

Date of the actual completion of the international search: 11 August 2006

Date of mailing of the international search report: 30 AUG 2006

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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.

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Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX