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— as to applicant’s entitlement to apply for and be granted a patent (Rule 4.17(II))

Published:
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(54) Title: DRAIN COVER ADJUSTER

(57) Abstract: A drain or ducting adjustment system may include a plurality of shims to elevate or space a cover from a flange or base portion of the drain or ducting. Each shim may have a recess proximate its top end to receive the cover or a higher shim and engagement means such as a lip or threading to receive the base portion or a lower shim. Shims may be of various heights. Additionally, one or more shims may allow for an angled offset between the recess and lip, in the event that the base portion of the drain or ducting is not parallel to the ultimate substrate height. Preferably, the base of the recess and lip are generally parallel to their respective end surfaces and the recess and lip are generally cylindrical such that adjacent shims may be rotationally adjusted relative to one another to achieve a desired offset angle.

FIG. 12
INTERNATIONAL SEARCH REPORT
International application No.
PCT/US 12/23854

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - E03C 1/12 (2011.01)
USPC - 137/362

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)
USPC: 137/362

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 42/86, 289, 290, 292, 137/87.01, 343, 362 (keyword limited; terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST(PGPB, USPT, EPAB, JPAB): Google
Search Terms Used: shim, stack$, groove, tongu$, rotat$, level$, drain, lip, flange

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>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 6,457,901 B1 (SONDURUP) 01 October 2002 (01/10/2002) fig 1, col 2, in 61-66</td>
<td>1-3, 6-7</td>
</tr>
<tr>
<td>X</td>
<td>US 6,560,934 A (WORKMAN) 13 May 2003 (13/05/2003) fig 1</td>
<td>4-5</td>
</tr>
<tr>
<td>Y</td>
<td>US 7,735,512 B1 (ISMERT et al) 15 June 2010 (15/06/2010) fig 8g, col 9, in 51-56</td>
<td>8-10</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:
  "A" document defining the general state of the art which is not considered to be of particular relevance
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  "Z" document member of the same patent family

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