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(54) A WALL-HUNG TOILET BOWL MOUNTING APPARATUS

(57) The application concerns mounting a wall-hung toilet bowl to the wall using a mounting apparatus, which comprises a fixed wedge (1) and a movable wedge (5). The fixed wedge (1) is mounted to a stud bolt (2) extending from the wall. The movable wedge (5) is mounted to the toilet bowl by means of a stay bolt (7), a plastic bushing (8) and a mounting stopper (9). The toilet bowl is then

placed on a sheet support (6) which was mounted on an inclined surface (1.2) of the fixed wedge (1) whereby arms (5.1) of the movable wedge (5) engage the fixed wedge (1). After placing the wall-hung toilet bowl, it is pressed towards the wall through tightening the stay bolts (7) located inside of the mounting stoppers (9) due to the slope of the inclined surface (1.2).

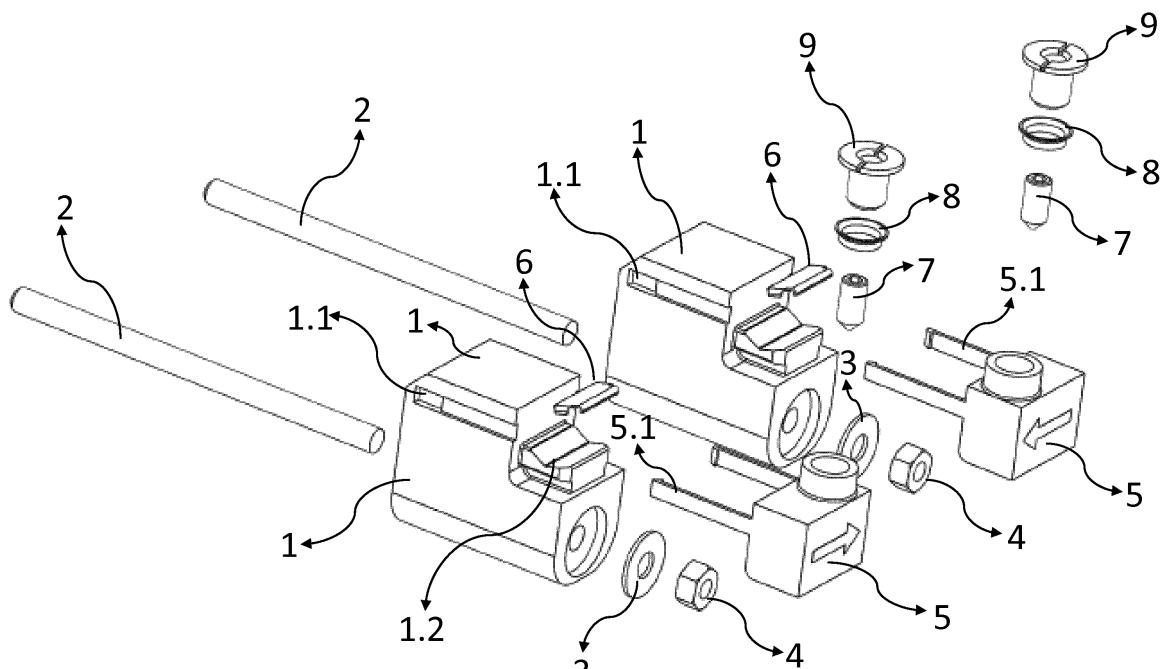


FIGURE 5



PARTIAL EUROPEAN SEARCH REPORT

Application Number

EP 16 02 0176

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of
subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT									
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)						
10	X WO 2009/071179 A1 (FISCHERWERKE GMBH & CO KG [DE]; TRESOLDI ANTONIO [IT]) 11 June 2009 (2009-06-11) * the whole document *	1-4	INV. E03D11/14						
15	X EP 2 657 417 A1 (FISCHERWERKE GMBH & CO KG [DE]) 30 October 2013 (2013-10-30) * the whole document *	1-4							
20	X EP 2 390 430 A2 (FISCHERWERKE GMBH & CO KG [DE]) 30 November 2011 (2011-11-30) * the whole document *	1-4							
25	X DE 20 2007 017328 U1 (VILLEROY & BOCH [DE]) 28 February 2008 (2008-02-28) * the whole document *	1-4							
30			TECHNICAL FIELDS SEARCHED (IPC)						
35			E03D						
INCOMPLETE SEARCH									
40	The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.								
45	<p>Claims searched completely :</p> <p>Claims searched incompletely :</p> <p>Claims not searched :</p> <p>Reason for the limitation of the search:</p> <p>see sheet C</p>								
50	<p>1</p> <table border="1"> <tr> <td>Place of search</td> <td>Date of completion of the search</td> <td>Examiner</td> </tr> <tr> <td>Munich</td> <td>19 January 2017</td> <td>Geisenhofer, Michael</td> </tr> </table>			Place of search	Date of completion of the search	Examiner	Munich	19 January 2017	Geisenhofer, Michael
Place of search	Date of completion of the search	Examiner							
Munich	19 January 2017	Geisenhofer, Michael							
55	<p>EPO FORM 1503 03-82 (P04E07)</p> <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>								



**INCOMPLETE SEARCH
SHEET C**

Application Number
EP 16 02 0176

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Claim(s) completely searchable:

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Claim(s) searched incompletely:

1-4

Reason for the limitation of the search:

Claims 1 - 4 are incomprehensive due to the poor language quality such that a meaningful search cannot be carried out based on the wording of the claims (Article 84 EPC).

Even if the figures and the description is used to interpret the wording of the claims, the claims still lack clarity since the claims do not define the interaction between the various parts of the device. In particular, it is not clear what the "sheet support (6)" is and how it works.

In addition to the poor language of the claims, it appears that the independent claim lacks a plurality of essential features. The independent claim neither defines how the fixed and movable wedges are connected nor how the toilet bowl is connected to the movable wedge by the stay bolt.

Finally, the scope of protection of the independent claim remains obscure. It appears that the applicant intends to claim a toilet bowl mounted on a wall. However, this shall be clearly stated.

For the purpose of search, the claims were interpreted to refer to a mounting system for mounting a toilet bowl to the wall whereby the system comprises a first part (connectable to the stud bolts arranged in the wall) and a second part (connectable to the bowl). Both parts are wedge shaped and connected by a stay bolt such that tightening of the stay bolt results in a relative movement of the two parts which in turn results in tightening the bowl towards the wall.

More characteristics are not derivable from the application documents due to the poor language of claims and description. The same applies to the alternative version of claims and description filed in response to the invitation under Rule 63(1) EPC to clarify the intended scope of protection.

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 16 02 0176

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

19-01-2017

10	Patent document cited in search report	Publication date		Patent family member(s)	Publication date
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