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(71) Applicant: **Kohler Co.**
Kohler, WI 53044 (US)

(72) Inventors:
• **KURU, William C.**
Kohler, WI 53044 (US)
• **GARRELS, Clayton C.**
Kohler, WI 53044 (US)

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(74) Representative: **Barker Brettell LLP**
100 Hagley Road
Edgbaston
Birmingham B16 8QQ (GB)

(54) **COVER SYSTEM FOR A TOILET TANK**

(57) A toilet comprising:
a toilet tank;
a cover for the toilet tank;
a receptacle formed in the cover for the toilet tank and configured to receive a cartridge including a chemical

compound,
wherein the receptacle is fluidly connected to the toilet tank and/or a toilet bowl.

To be accompanied, when published, by Figure 1.

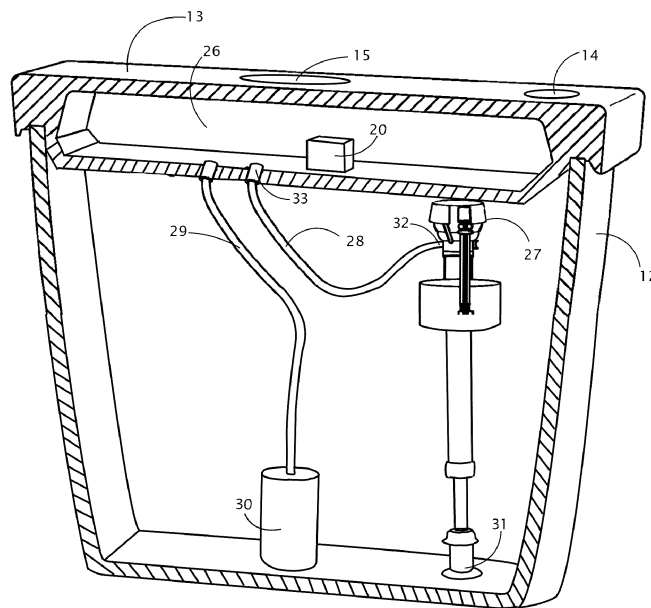


FIG. 3



PARTIAL EUROPEAN SEARCH REPORT

Application Number

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

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EPO FORM 1503 03.82 (P04E07)

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2017/035246 A1 (KOHLER CO [US]) 2 March 2017 (2017-03-02) * paragraph [0523]; figures 139, 140 * -----	1-8,14, 15	INV. E03D9/03 E03D1/012 E03D1/32 E03D1/34
X	WO 2015/009751 A1 (IP HOLDCO LLC AS [US]) 22 January 2015 (2015-01-22) * paragraphs [0195] - [0216]; figures 1-5, 39 * -----	1-3,5-7	
X	US 2019/145089 A1 (EL EGLICK DAN [IL]) 16 May 2019 (2019-05-16) * paragraphs [0015] - [0033]; figures 1-4 * -----	1	
A	DE 30 13 063 A1 (KAUDER PETER K; TANK PETER P) 15 October 1981 (1981-10-15) * pages 2, 3; figures 1-4 * -----	1-8,14, 15	
			TECHNICAL FIELDS SEARCHED (IPC)
			E03D
INCOMPLETE SEARCH			
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.			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search: see sheet C			
Place of search	Date of completion of the search	Examiner	
Munich	16 January 2025	Posavec, Daniel	
CATEGORY OF CITED DOCUMENTS		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	
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			



**INCOMPLETE SEARCH
SHEET C**

Application Number

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Claim(s) completely searchable:

1-8, 14, 15

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Claim(s) not searched:

9-13

Reason for the limitation of the search:

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The search has been restricted to the subject-matter indicated by the applicant in the letter of 19-11-2024 filed in reply to the invitation pursuant to Rule 62a(1) EPC. Accordingly, claims 1-8, 14 and 15 have been searched and claims 9-13 have not been searched.

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30

35

40

45

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2017035246 A1	02-03-2017	CN 108603368 A	28-09-2018
		CN 108915053 A	30-11-2018
		CN 108915054 A	30-11-2018
		CN 112177125 A	05-01-2021
		CN 114164904 A	11-03-2022
		CN 118621881 A	10-09-2024
		EP 3341533 A1	04-07-2018
		EP 3378999 A1	26-09-2018
		EP 3382115 A1	03-10-2018
		EP 3406811 A1	28-11-2018
		EP 3431672 A1	23-01-2019
		EP 4242389 A2	13-09-2023
		US 2017058500 A1	02-03-2017
		US 2019063054 A1	28-02-2019
		US 2019257064 A1	22-08-2019
		US 2020002930 A1	02-01-2020
		US 2020157792 A1	21-05-2020
		US 2020407962 A1	31-12-2020
		US 2021207354 A1	08-07-2021
		US 2021355668 A1	18-11-2021
US 2021388592 A1	16-12-2021		
US 2023075406 A1	09-03-2023		
US 2023265643 A1	24-08-2023		
US 2024117618 A1	11-04-2024		
US 2024133170 A1	25-04-2024		
US 2024167261 A1	23-05-2024		
US 2025012065 A1	09-01-2025		
WO 2017035246 A1	02-03-2017		
WO 2015009751 A1	22-01-2015	AU 2014290129 A1	04-02-2016
		CA 2918382 A1	22-01-2015
		CA 3151053 A1	22-01-2015
		CN 105612294 A	25-05-2016
		EP 3022365 A1	25-05-2016
		HK 1223137 A1	21-07-2017
		JP 6961734 B2	05-11-2021
		JP 2016527420 A	08-09-2016
		JP 2020079551 A	28-05-2020
		KR 20160031014 A	21-03-2016
		SG 11201600267W A	26-02-2016
		US 2015013057 A1	15-01-2015
		US 2015013058 A1	15-01-2015
		US 2018058053 A1	01-03-2018
WO 2015009751 A1	22-01-2015		
US 2019145089 A1	16-05-2019	DE 202017107907 U1	12-04-2018

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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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.

16-01-2025

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		JP 3215803 U	12-04-2018
		US 2019145089 A1	16-05-2019

DE 3013063	A1	15-10-1981	NONE

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