

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property

Organization

International Bureau

(43) International Publication Date

02 July 2020 (02.07.2020)



(10) International Publication Number

WO 2020/139251 A3

(51) International Patent Classification:

E03D 5/10 (2006.01)

E03D 13/00 (2006.01)

(21) International Application Number:

PCT/TR2019/051086

(22) International Filing Date:

16 December 2019 (16.12.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2018/20191

24 December 2018 (24.12.2018) TR

(71) Applicant: ECZACIBASI YAPI GERECLERI

SANAYI VE TICARET ANONIM SirkETI [TR/TR];

Buyukdere Cad. Ali Kaya Sok. No:7, Levent, 34394 Istanbul (TR).

(72) Inventors: KIZICI, Aykut; Vitra Inovasyon Merkezi Es-

kisehir Karayolu Uzeri 4. Km, 11300 Bozuyuk/Bilecik (TR). GERENLI, Fatih; Sanayi Mahallesi Teknopark Bul-

vari No:1, Pendik/Istanbul (TR). SIMSIR, Bogac; Inkilap Mahallesi Harput Sokak Antrium Residence 2-16, Istanbul (TR).

(74) Agent: GOZTEPE, Burcu Eylem; Eczacibasi Holding

A.S., Kanyon Ofis Buyukdere Cd. No:185, Levent, Istanbul (TR).

(81) Designated States (unless otherwise indicated, for every

kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every

kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

24 September 2020 (24.09.2020)

(54) Title: CERAMIC SANITARY WARE FLUSHING SYSTEM AND METHOD WITH ADJUSTABLE SENSITIVITY

(57) Abstract: The invention relates to a flushing system and method with adjustable flushing sensitivity enabling the contamination level to be detected and the flushing to be performed automatically after the use of the ceramic sanitary ware. More particularly, the invention relates to a flushing system and method with adjustable sensitivity, wherein the threshold contamination level for the flushing process to be performed may be defined manually by the user and/or may be selected from defined values, and as a result, the sensitivity of the flushing process may be adjusted depending on the preferences and the needs of the user.



WO 2020/139251 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/TR2019/051086

A. CLASSIFICATION OF SUBJECT MATTER

E03D 5/10 (2006.01)i; E03D 13/00 (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)

E03D

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

Turkpatent Database

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

WPI Data, EPO Abstract and Fulltext Databases

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	CN 201581475 U (WANG-I) WANG H15 September 2010 (2010-09-15) Abstract, Fig 1	1,2,6,8,11,12,14,16,17 3-5,9,10,13,15,18
Y	WO 2018199863 A2 (ECZA-N) ECZACIBASI YAPI GERECLERI SANAYI VE TICA01 November 2018 (2018-11-01) Description page 5, line 19	3-5,9,10,13,15,18
Y	JP 2002021148 A (TTOC) TOTO LTD23 January 2002 (2002-01-23) Abstract, Description paragraph 14, Claims 1,3,7	3-5,9,10,13,15,18
A	KR 101846000B B1 (KIME-I) KIM E T05 April 2018 (2018-04-05) The whole document	1-18
A	JP 2017110405 A (MATU) PANASONIC IP MANAGEMENT CO LTD22 June 2017 (2017-06-22) The whole document	1-18

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

“A” document defining the general state of the art which is not considered to be of particular relevance

“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

“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

“&” document member of the same patent family

Date of the actual completion of the international search

01 September 2020

Date of mailing of the international search report

01 September 2020

Name and mailing address of the ISA/TR

Turkish Patent and Trademark Office (Turkpatent)
Hipodrom Caddesi No. 13
06560 Yenimahalle
Ankara
Turkey

Telephone No. (90-312) 303 11 82

Facsimile No. +903123031220

Authorized officer

İrem Tomak

Telephone No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/TR2019/051086

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
CN	201581475	U	15 September 2010	NONE	
JP	2002021148	A	23 January 2002	NONE	
KR	101846000B	B1	05 April 2018	NONE	
JP	2017110405	A	22 June 2017	NONE	
WO	2018199863	A2	01 November 2018	TR 201619025 A2	23 July 2018