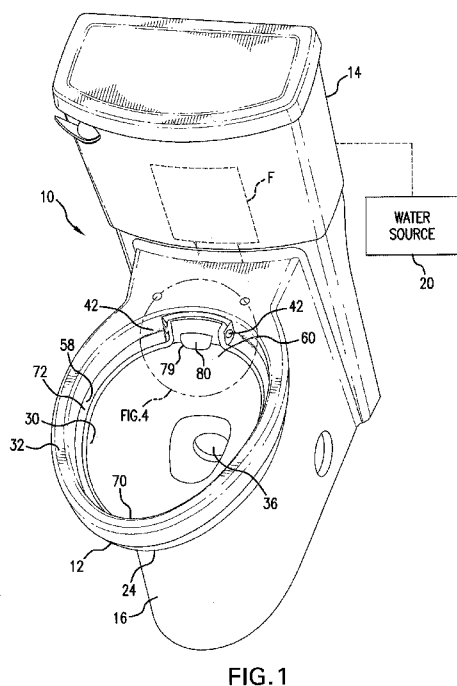




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[Continued on next page]

(54) Title: RIMLESS TOILET



(57) Abstract: A siphonic gravity-powered toilet is provided that is a rimless toilet and includes a toilet bowl assembly having a body and an inlet for receiving fluid. The toilet bowl has an interior bowl surface with an upper peripheral portion configured to have a shelf formed therein below an upper peripheral edge of the toilet bowl. The rimless toilet includes a jet having a jet inlet, an outlet and at least one jet channel. A manifold is included which is configured so that fluid entering an inlet of the toilet bowl assembly divides into a portion that enters the inlet of the direct-fed jet and a portion that enters an interior area of the toilet bowl.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - E03D 11/02 (2013.01)

USPC - 4/420

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)

IPC(8) - E03D 11/02, 11/08, 11/13 (2013.01)

USPC - 4/300.3, 336, 420, 421, 425, 434

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
CPC - E03D 11/02, 11/08, 11/13, 2201/30, 2201/40 (2013.01)

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

PatBase, Google Patent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2010/0043130 A1 (GROVER et al) 25 February 2010 (25.02.2010) entire document	1-39, 42-46
Y	WO 2009/030904 A1 (PEARSON) 12 March 2009 (12.03.2009) entire document	1-46
Y	US 2008/0047053 A1 (GRECH et al) 28 February 2008 (28.02.2008) entire document	4-7, 9, 24-27, 33-46
Y	US 2006/0005310 A1 (NAKAMURA et al) 12 January 2006 (12.01.2006) entire document	16-32
Y	US 2007/0277302 A1 (ICHIKI et al) 06 December 2007 (06.12.2007) entire document	20-21
Y	US 3,931,649 A (JANKOWSKI) 13 January 1976 (13.01.1976) entire document	35-36, 38-39, 43-46

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"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

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Date of mailing of the international search report

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