



US008789808B1

(12) **United States Patent**
Moley

(10) **Patent No.:** **US 8,789,808 B1**
(45) **Date of Patent:** **Jul. 29, 2014**

(54) **URINAL WITH OPERATION CONTROLLED VIA A REPLICA OF A MOTORCYCLE HANDLEBAR**

(71) Applicant: **Anthony J. Moley**, Hollister, CA (US)

(72) Inventor: **Anthony J. Moley**, Hollister, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **13/785,144**

(22) Filed: **Mar. 5, 2013**

(51) **Int. Cl.**
F16K 31/00 (2006.01)
E03D 5/09 (2006.01)

(52) **U.S. Cl.**
CPC **E03D 5/09** (2013.01)
USPC **251/294**; 251/15; 4/301; 4/313; 4/411; 4/661

(58) **Field of Classification Search**
USPC 251/15, 22, 129.01, 129.04, 294, 369; 4/301, 313, 411, 661
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,633,141 A *	3/1953	Russell	137/49
3,594,828 A *	7/1971	Seek	251/294
4,019,402 A	4/1977	Leonheart	
D274,122 S	6/1984	Stahel	
4,531,751 A	7/1985	Todokoro	
4,611,356 A	9/1986	Lin	
4,932,913 A	6/1990	Raviv	
D315,132 S	3/1991	Lance	
5,482,078 A *	1/1996	Yeh	137/551
5,499,008 A *	3/1996	Rosenkrantz et al.	340/384.7
5,505,493 A	4/1996	Brashear	

D372,893 S	8/1996	Harris	
5,652,975 A *	8/1997	Hoskin	4/661
5,809,590 A *	9/1998	Williams et al.	4/661
5,836,021 A *	11/1998	Davidson et al.	4/411
5,870,015 A *	2/1999	Hinkel	340/573.1
5,978,975 A *	11/1999	Asskaryar	4/353
6,234,800 B1	5/2001	Koyama	
6,385,796 B1 *	5/2002	Muir, Jr.	4/661
6,894,270 B2 *	5/2005	Bailey	250/221
7,043,774 B2 *	5/2006	Picchi	4/420
7,611,073 B2 *	11/2009	Crutcher	239/25
7,805,869 B1 *	10/2010	Pascarelli et al.	40/539
D635,219 S	3/2011	Funari	
8,424,126 B2 *	4/2013	Nguyen	4/362
8,556,228 B2 *	10/2013	Marcichow et al.	251/129.04
2006/0143822 A1 *	7/2006	Kelley	4/661
2008/0196159 A1 *	8/2008	Lee	4/678
2010/0066928 A1 *	3/2010	Pelfrey	349/16

* cited by examiner

Primary Examiner — John K Fristoe, Jr.

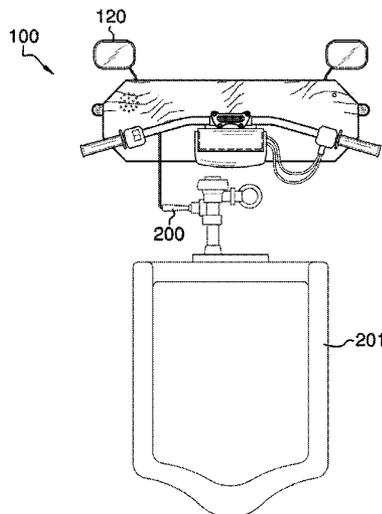
Assistant Examiner — Matthew W Jellett

(74) Attorney, Agent, or Firm — Kyle A. Fletcher, Esq.

(57) **ABSTRACT**

The urinal with operation controlled via a replica of a motorcycle handlebar is a wall-mounted fixture configured to control the use of the flush valve of said urinal, or toilet, or other plumbing fixture. The replica motorcycle handlebar includes a linkage that runs from the throttle portion of the motorcycle handlebar to the flush valve of said urinal such that upon simulation of a throttling gesture shall pull said flush valve upwardly in order to flush the respective urinal or plumbing fixture. The replica motorcycle handlebar includes a motion sensor that upon detection of a person shall communicate an audio recording of a motorcycle noise. The replica motorcycle handlebar includes mirrors, turn signals, and a horn switch. Throttling motion of the throttle portion may also prompt an additional audio recording of a motorcycle engine being revved.

8 Claims, 5 Drawing Sheets



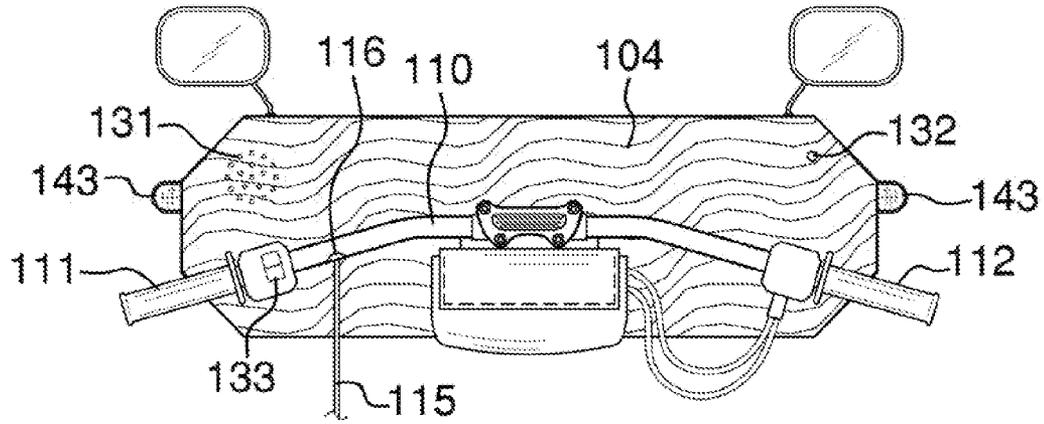


FIG. 1

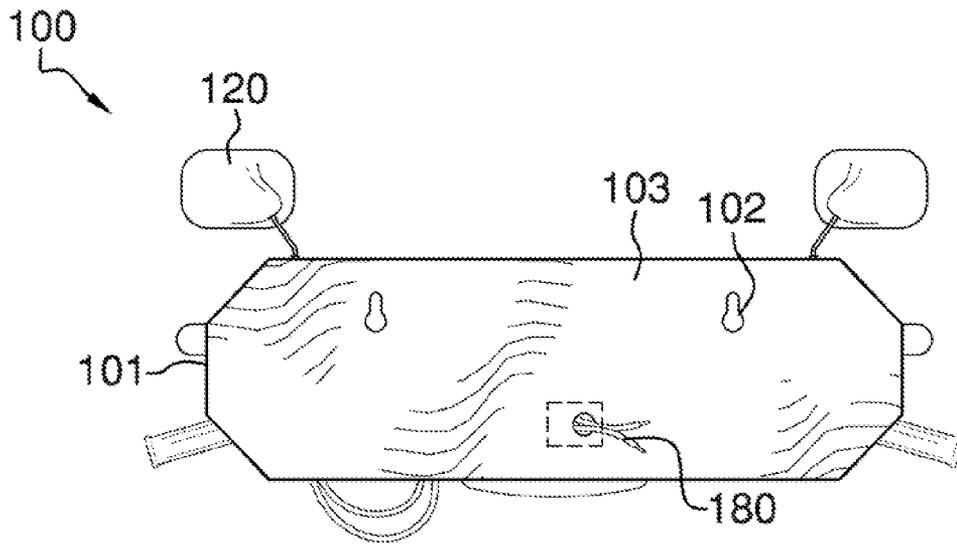


FIG. 2

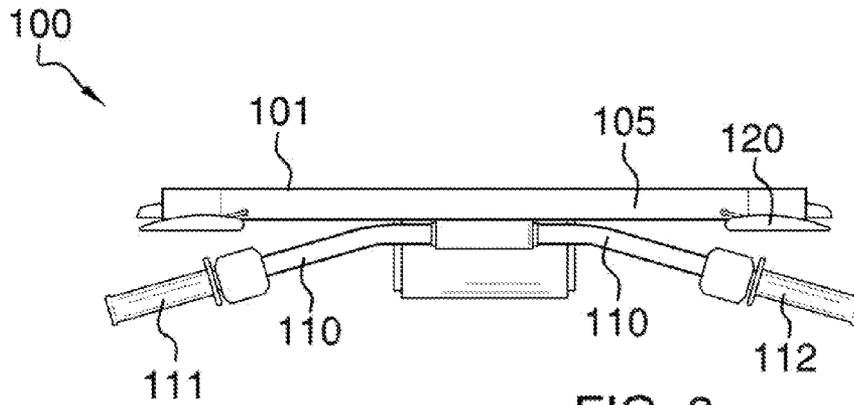


FIG. 3

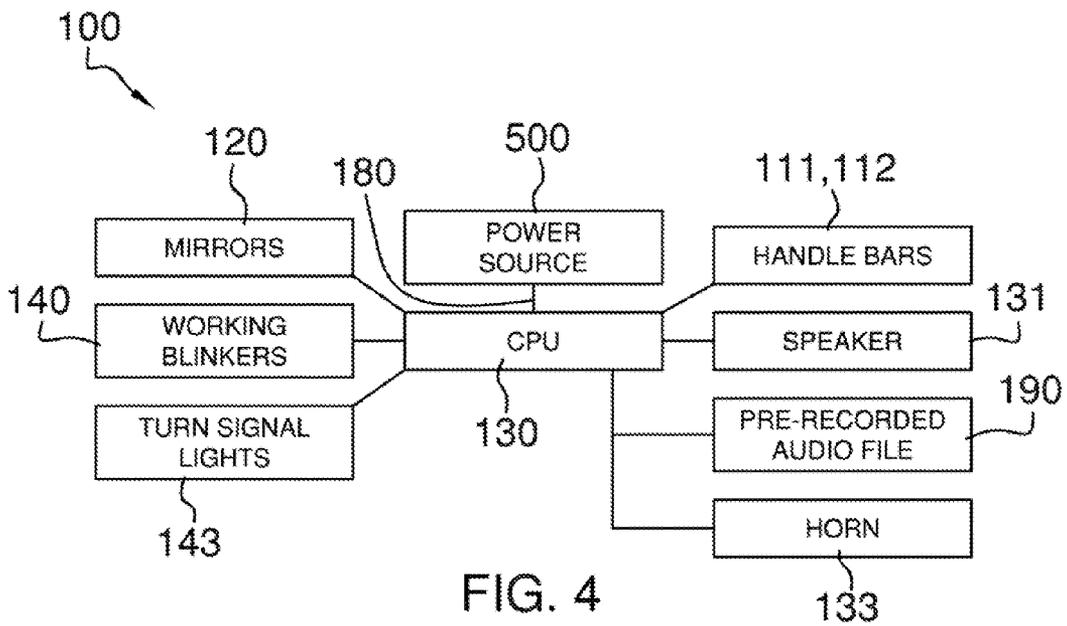


FIG. 4

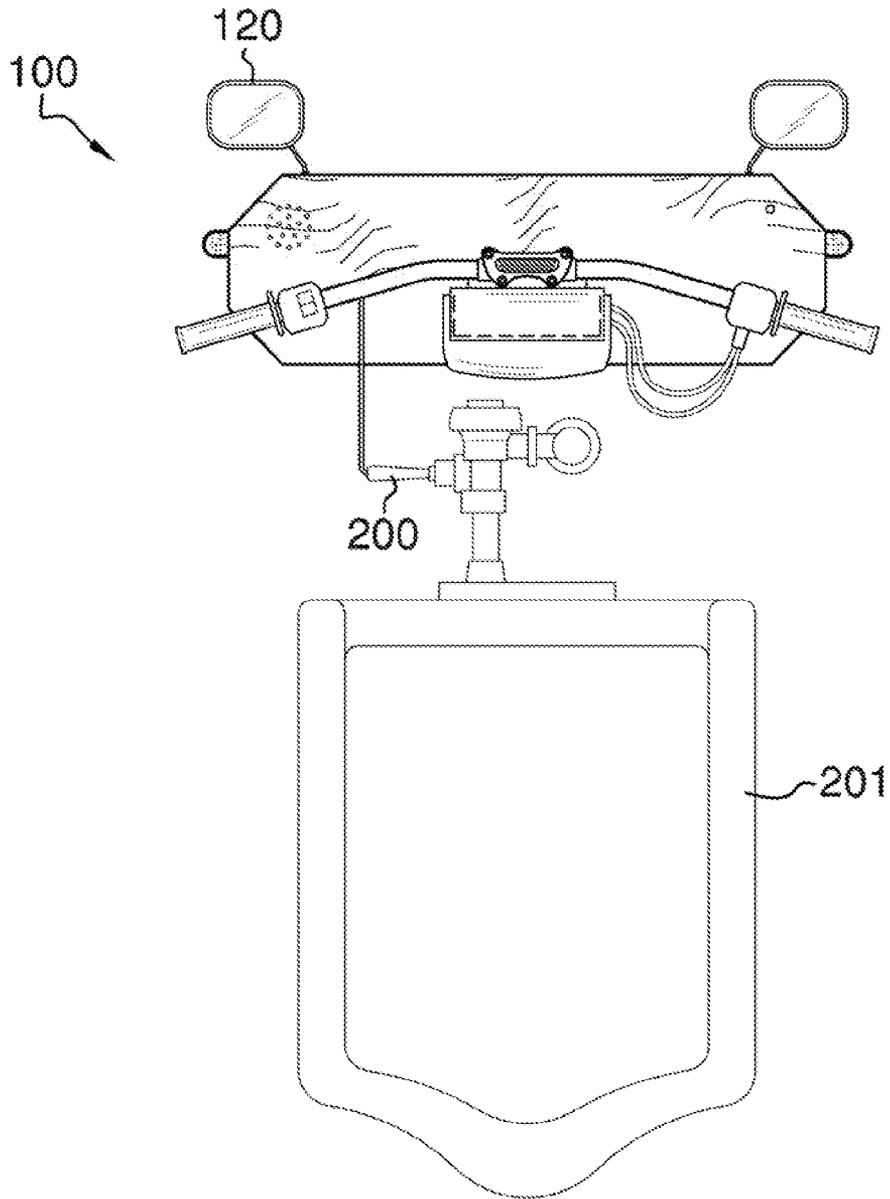
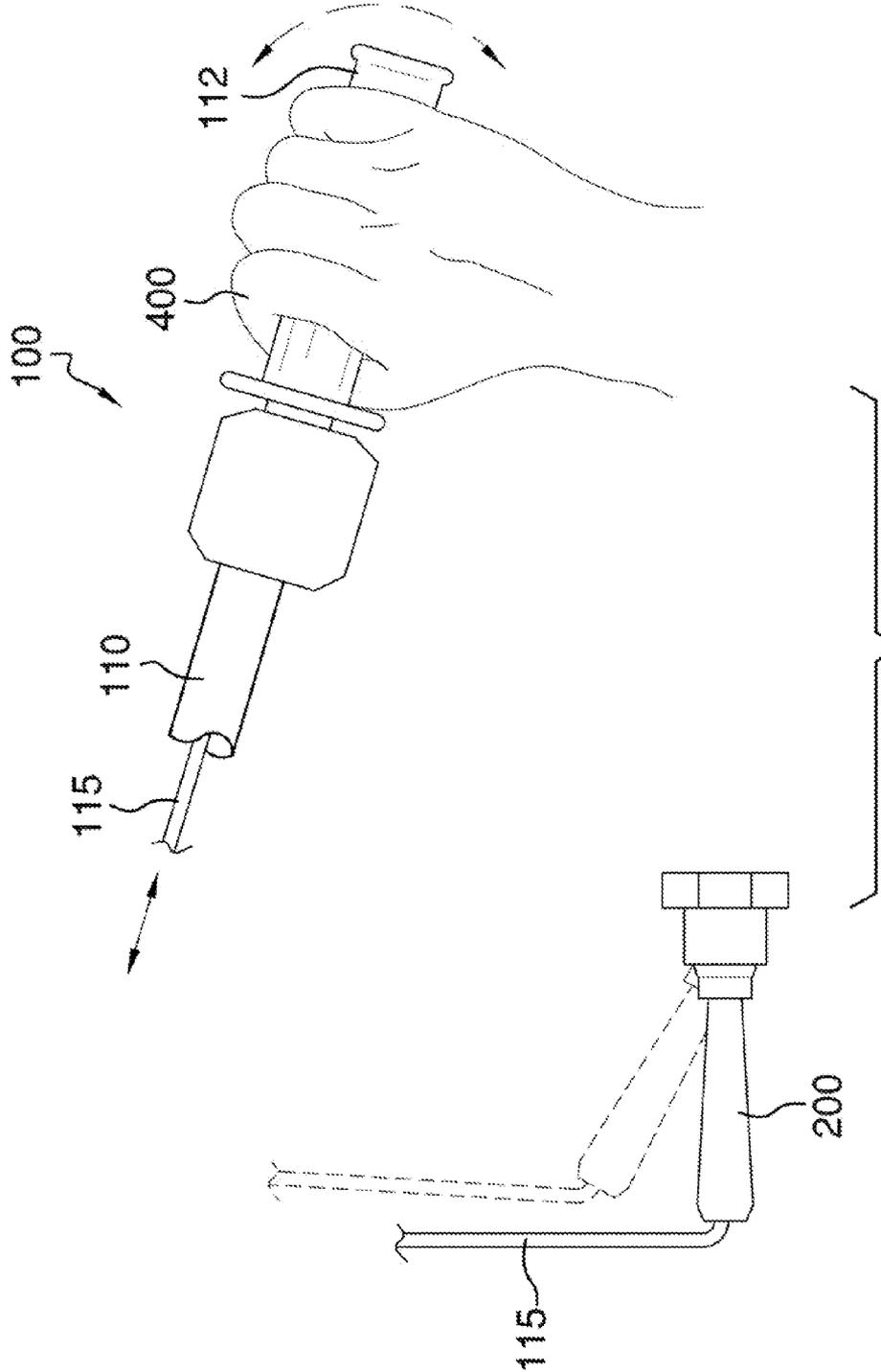


FIG. 5



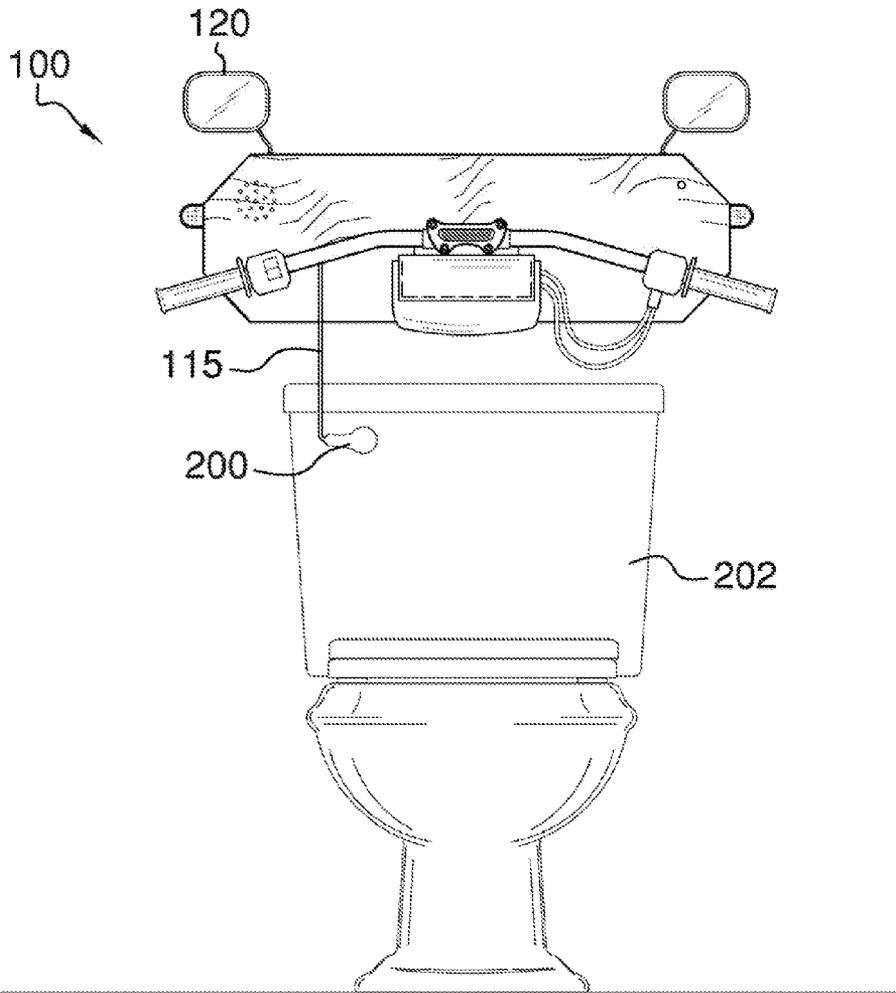


FIG. 7

1

URINAL WITH OPERATION CONTROLLED VIA A REPLICA OF A MOTORCYCLE HANDLEBAR

CROSS REFERENCES TO RELATED APPLICATIONS

Not Applicable

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH

Not Applicable

REFERENCE TO APPENDIX

Not Applicable

BACKGROUND OF THE INVENTION

A. Field of the Invention

The present invention relates to the field of urinals, more specifically, a replica motorcycle handlebar that operates the plumbing and flush portion of said urinal.

B. Discussion of the Prior Art

As will be discussed immediately below, no prior art discloses a replica motorcycle handlebar that is able to be mounted on a wall surface and configured to operate a flush valve of a urinal via a linkage that runs from the throttle portion of the motorcycle handlebar to the flush valve of said urinal; wherein the replica motorcycle handlebar includes a motion sensor that upon detection of a person shall communicate an audio recording of a motorcycle noise; wherein the replica motorcycle handlebar includes mirrors, turn signals, and a horn switch; upon throttling the throttle portion of the replica motorcycle handlebar, the linkage shall flush the urinal, and may additionally play an audio recording of the motorcycle engine being revved; wherein the replica motorcycle handlebar is either integrated into the design of a urinal or is an after-market product configured for use with an existing urinal, toilet, sink, or other plumbing fixture.

The Todokoro patent (U.S. Pat. No. 4,531,751) discloses a toy motorcycle with simulated lights, sounds, and gauges. However, the toy motorcycle does not fit above a urinal and control operation or flushing of said urinal via a replica of a motorcycle handlebar.

The Raviv et al. patent (U.S. Pat. No. 4,932,913) discloses a hand held control device for use by a child to simulate the directional and speed control of a vehicles such as a motorcycle. However, the device does not control the flush of a plumbing fixture, and resemble a replica of a motorcycle handlebar.

The Camfield et al. patent (U.S. Pat. No. 5,505,493) discloses a bicycle with simulated motorcycle parts and has a sound system included that replicates the sound of a motorcycle. However, the bicycle is not configured for use with a plumbing fixture, and upon throttling of a replicate motorcycle handlebar shall control the flush or water valve operation of said plumbing fixture.

The Leonheart patent (U.S. Pat. No. 4,019,402) discloses a motorcycle throttle, twist-grip control unit. Again, the throttle does not control operation of a plumbing fixture, such as a urinal or toilet.

The Stahel et al. patent (U.S. Pat. No. Des. 274,122) illustrates an ornamental design for a motorcycle handlebar grip, which is not a replica for use in operating the flush valve of a urinal or toilet.

2

The Lance patent (U.S. Pat. No. Des. 315,132) illustrates an ornamental design for a motorcycle handlebar, which does not operate a flush valve of a urinal or toilet.

The Harris patent (U.S. Pat. No. Des. 372,993) illustrates an ornamental design for a motorcycle handlebar, which does not operate a flush valve of a urinal or toilet.

The Lin patent (U.S. Pat. No. 4,611,356) discloses a flushing apparatus for urinals. However, the flushing apparatus does not resemble a replica of a motorcycle handlebar.

While the above-described devices fulfill their respective and particular objects and requirements, they do not describe a replica motorcycle handlebar that is able to be mounted on a wall surface and configured to operate a flush valve of a urinal via a linkage that runs from the throttle portion of the motorcycle handlebar to the flush valve of said urinal; wherein the replica motorcycle handlebar includes a motion sensor that upon detection of a person shall communicate an audio recording of a motorcycle noise; wherein the replica motorcycle handlebar includes mirrors, turn signals, and a horn switch; upon throttling the throttle portion of the replica motorcycle handlebar, the linkage shall flush the urinal, and may additionally play an audio recording of the motorcycle engine being revved; wherein the replica motorcycle handlebar is either integrated into the design of a urinal or is an after-market product configured for use with an existing urinal, toilet, sink, or other plumbing fixture. In this regard, the urinal with operation controlled via a replica of a motorcycle handlebar departs from the conventional concepts and designs of the prior art.

SUMMARY OF THE INVENTION

The urinal with operation controlled via a replica of a motorcycle handlebar is a wall-mounted fixture configured to control the use of the flush valve of said urinal, or toilet, or other plumbing fixture. The replica motorcycle handlebar includes a linkage that runs from the throttle portion of the motorcycle handlebar to the flush valve of said urinal such that upon simulation of a throttling gesture shall pull said flush valve upwardly in order to flush the respective urinal or plumbing fixture. The replica motorcycle handlebar includes a motion sensor that upon detection of a person shall communicate an audio recording of a motorcycle noise. The replica motorcycle handlebar includes mirrors, turn signals, and a horn switch. Throttling motion of the throttle portion may also prompt an additional audio recording of a motorcycle engine being revved. The replica motorcycle handlebar is either integrated into the design of a urinal or is an after-market product configured for use with an existing urinal, toilet, sink, or other plumbing fixture.

It is an object of the invention to provide a fixture that is mounted above or adjacent a plumbing fixture, and which resembles a motorcycle handlebar, and upon throttling action of a throttle portion shall move or otherwise operate a flush valve of said plumbing fixture.

A further object of the invention to provide a replica motorcycle handlebar that is configured to be mounted on a wall surface either above or adjacent the plumbing fixture, and which requires simple retrofitting of the flush valve in order to enable the throttle portion to rotate in order to flush the respective plumbing fixture.

A further object of the invention is to provide a speaker and central processing unit that include pre-recorded audio files of motorcycle engine noises so as to add to the overall experience associated with use of the motorcycle handlebars when in use.

Another object of the invention is to include a motion sensor that detects the presence of a person, and upon said detection shall prompt playing of an audio file via the speaker.

Another object of the invention is to include mirrors, working blinkers, and horn on the replica motorcycle handlebar.

These together with additional objects, features and advantages of the urinal with operation controlled via a replica of a motorcycle handlebar will be readily apparent to those of ordinary skill in the art upon reading the following detailed description of presently preferred, but nonetheless illustrative, embodiments of the urinal with operation controlled via a replica of a motorcycle handlebar when taken in conjunction with the accompanying drawings.

In this respect, before explaining the current embodiments of the urinal with operation controlled via a replica of a motorcycle handlebar in detail, it is to be understood that the urinal with operation controlled via a replica of a motorcycle handlebar is not limited in its applications to the details of construction and arrangements of the components set forth in the following description or illustration. Those skilled in the art will appreciate that the concept of this disclosure may be readily utilized as a basis for the design of other structures, methods, and systems for carrying out the several purposes of the urinal with operation controlled via a replica of a motorcycle handlebar.

It is therefore important that the claims be regarded as including such equivalent construction insofar as they do not depart from the spirit and scope of the urinal with operation controlled via a replica of a motorcycle handlebar. It is also to be understood that the phraseology and terminology employed herein are for purposes of description and should not be regarded as limiting.

BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying drawings, which are included to provide a further understanding of the invention and are incorporated in and constitute a part of this specification, illustrate embodiments of the invention and together with the description serve to explain the principles of the invention:

In the drawings:

FIG. 1 illustrates a front view of the replica motorcycle handlebar by itself;

FIG. 2 illustrates a rear view of the replica of a motorcycle handlebar, and detailing the mounting member;

FIG. 3 illustrates a top view of the replica motorcycle handlebar;

FIG. 4 illustrates a diagram of the components associated with operation of the replica motorcycle handlebar;

FIG. 5 illustrates a front view of the replica motorcycle handlebar in use with a urinal;

FIG. 6 illustrates a detailed view of the throttle portion being manually rotated, and a corresponding movement of the flush valve of the urinal; and

FIG. 7 illustrates a view of the replica motorcycle handlebar installed above a toilet, and depicting connection with the flush valve of the toilet.

DETAILED DESCRIPTION OF THE EMBODIMENT

The following detailed description is merely exemplary in nature and is not intended to limit the described embodiments of the application and uses of the described embodiments. As used herein, the word "exemplary" or "illustrative" means "serving as an example, instance, or illustration." Any implementation described herein as "exemplary" or "illustrative" is

not necessarily to be construed as preferred or advantageous over other implementations. All of the implementations described below are exemplary implementations provided to enable persons skilled in the art to practice the disclosure and are not intended to limit the scope of the appended claims. Furthermore, there is no intention to be bound by any expressed or implied theory presented in the preceding technical field, background, brief summary or the following detailed description.

Detailed reference will now be made to the preferred embodiment of the present invention, examples of which are illustrated in FIGS. 1-5. A urinal with operation controlled via a replica of a motorcycle handlebar **100** (hereinafter invention) includes a mounting member **101** that includes mount holes **102** along a rear surface **103** such that the invention **100** is configured to be mounted onto a wall or flat surface.

The mounting member **101** is further defined with a front surface **104** upon which a replica motorcycle handlebar **110** is affixed thereon. The replica motorcycle handlebar **110** includes a first handle **111** and a second handle **112**. It shall be noted that the term first handle **111** and the second handle **112** may be referred to as handlebars, which is indicated as such in FIG. 4. The second handle **112** is rotatably engaged with respect to the replica motorcycle handlebar **110**, and shall also be referred to as the throttle portion of the invention **100**. The second handle **112** rotates with respect to the replica motorcycle handlebar **110**, and internally moves a linkage **115** that runs inside of the replica motorcycle handlebar **110**.

It shall be noted that the replica motorcycle handlebar **110** is constructed of a hollow pipe, and which enables the linkage **115** to run from the second handle **112** to an outlet **116** located elsewhere on the replica motorcycle handlebar **110**. The linkage **115** is of an undefined length, and connects to a flush valve **200**. It shall be noted that the flush valve **200** may be of a urinal **201** or a toilet **202**. The main function of the invention **100** is to flush the urinal **201** or toilet **202** upon rotation of the second handle **112** and in a manner consistent with throttling a motorcycle.

It shall be further noted that plumbing fixture is being used to refer to the urinal **201** or the toilet **202**, or other type of plumbing fixture or appliance that may require flushing. The plumbing fixture may involve a faucet or water valve for a sink, bathtub, or shower.

The invention **100** includes mirrors **120** that are mounted on a top surface **105** of the mounting member **101**. The mirrors **120** resemble the size and shape and location that are customary of a motorcycle, and adds to the overall effect that the invention **100** resembles that of a motorcycle.

The invention **100** includes a central processing unit **130** that is in wired communication with a speaker **131**, which is located elsewhere with respect to the invention **100**. The central processing unit **130** is also in wired communication with a motion sensor **132** that is able to detect the presence of an end user **400**, and upon doing so shall play a pre-recorded audio file **190** via the central processing unit **130** and the speaker **131**. The invention **100** may further include a horn button **133** that when depressed shall sound a pre-recorded audio file of a motorcycle horn. The horn button **133** may be located on the replica motorcycle handlebar **110**, and more specifically, adjacent to either the first handle **111** or the second handle **112**.

The central processing unit **130** shall include wiring **180** that exits the rear surface **103** of the mounting member **101**, and extends to a power source **500**.

It shall be noted that the invention **100** may be mounted directly above or aside of the plumbing fixture. The figures depict the invention **100** as being mounted on the wall surface

5

just above the urinal **201** and the toilet **202**. The location of the invention **100** would ideally be attributed with ease of accessing the second handle **112** with respect to the plumbing fixture.

The invention **100** may include turn blinkers **140** that may involve the use of a turn signal switch **141** located on either or both of the first handle **111** and the second handle **112**. The turn signal switch **141** when operated shall make a noise associated with a turn blinker, and may operate turn signal lights **143**.

With respect to the above description, it is to be realized that the optimum dimensional relationship for the various components of the invention **100**, to include variations in size, materials, shape, form, function, and the manner of operation, assembly and use, are deemed readily apparent and obvious to one skilled in the art, and all equivalent relationships to those illustrated in the drawings and described in the specification are intended to be encompassed by the invention **100**.

It shall be noted that those skilled in the art will readily recognize numerous adaptations and modifications which can be made to the various embodiments of the present invention which will result in an improved invention, yet all of which will fall within the spirit and scope of the present invention as defined in the following claims. Accordingly, the invention is to be limited only by the scope of the following claims and their equivalents.

The inventor claims:

1. A replica motorcycle handlebar comprising:

the replica motorcycle handlebar is configured for use with a plumbing fixture, and is further defined with a first handle and second handle;

wherein the second handle is able to rotate about a longitudinal axis, and is in mechanical connection with a linkage that spans to a flush valve of said plumbing fixture wherein a mounting member includes mount holes along a rear surface, and is configured to be mounted onto a wall or flat surface adjacent to or above said plumbing fixture; said mounting member is further defined with a front surface upon which the replica motorcycle handlebar is affixed thereon; the replica motorcycle handlebar is constructed of a hollow pipe, and which enables the linkage to run from the second handle to an outlet located elsewhere on the replica motorcycle handlebar, wherein the linkage is of an undefined length, and connects to the flush valve; wherein mirrors are attached to and extend upwardly from a top surface of the mounting member; wherein a central processing unit is in wired communication with a speaker, which plays a pre-recorded audio file of a motorcycle engine; the central processing unit is also in wired communication with a motion sensor that is able to detect the presence of an end user, and upon doing so shall lay the pre-recorded audio file via the central processing unit and the speaker; wherein a horn button that when depressed shall sound a pre-recorded audio file of a motorcycle horn; wherein the horn button is in wired communication with the central processing unit.

2. The replica motorcycle handlebar as described in claim 1 wherein the horn button is located on the replica motorcycle handlebar, and more specifically, adjacent to either the first handle or the second handle.

6

3. The replica motorcycle handlebar as described in claim 2 wherein the central processing unit includes wiring that exits the rear surface of the mounting member, and extends to a power source.

4. The replica motorcycle handlebar as described in claim 3 wherein turn blinkers involve the use of a turn signal switch located on either or both of the first handle and the second handle; wherein the turn signal is in wired communication with the central processing unit; wherein the turn signal switch when operated shall make a noise associated with a turn blinker, and operate turn signal lights.

5. A replica motorcycle handlebar comprising:

the replica motorcycle handlebar is configured for use with a plumbing fixture, and is further defined with a first handle and second handle;

wherein said plumbing fixture comprises a urinal or toilet; wherein the second handle is able to rotate about a longitudinal axis, and is in mechanical connection with a linkage that spans to a flush valve of said plumbing fixture;

wherein a mounting member includes mount holes along a rear surface, and is configured to be mounted onto a wall or flat surface adjacent to or above said plumbing fixture wherein said mounting member is further defined with a front surface upon which the replica motorcycle handlebar is affixed thereon; the replica motorcycle handlebar is constructed of a hollow pipe, and which enables the linkage to run from the second handle to an outlet located elsewhere on the replica motorcycle handlebar, wherein the linkage is of an undefined length, and connects to the flush valve; wherein mirrors are attached to and extend upwardly from a top surface of the mounting member, wherein a central processing unit is in wired communication with a speaker, which plays a pre-recorded audio file of a motorcycle engine; the central processing unit is also in wired communication with a motion sensor that is able to detect the presence of an end user, and upon doing so shall lay the pre-recorded audio file via the central processing unit and the speaker, wherein a horn button that when depressed shall sound a pre-recorded audio file of a motorcycle horn; wherein the horn button is in wired communication with the central processing unit.

6. The replica motorcycle handlebar as described in claim 5 wherein the horn button is located on the replica motorcycle handlebar, and more specifically, adjacent to either the first handle or the second handle.

7. The replica motorcycle handlebar as described in claim 6 wherein the central processing unit includes wiring that exits the rear surface of the mounting member, and extends to a power source.

8. The replica motorcycle handlebar as described in claim 7 wherein turn blinkers involve the use of a turn signal switch located on either or both of the first handle and the second handle; wherein the turn signal is in wired communication with the central processing unit; wherein the turn signal switch when operated shall make a noise associated with a turn blinker, and operate turn signal lights.

* * * * *