The Applicant hereby applies to amend the complete specification contained in the above application as shown on the attached relevant pages of that specification. The full reasons for making the amendment are as follows:

To amend the dependencies of claims 4 and 6 so as to provide antecedent basis for the first and second portions of the inlet dual valve and the first and second portions of the outlet dual valve respectively, thereby to define the invention more clearly.

Dated: 7th February 2017
Copies of pages 12 and 13 of South African Patent Application No. 2016/00020, entitled “Mechanical Automatic Urinal Toilet Flusher”, indicating the proposed amendments in red wherein insertions have been underlined and deletions have been struck off.

Dated this 7th day of February 2017

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SPOOR & FISHER
APPLICANT’S PATENT ATTORNEYS
We Claim:

1. A system for facilitating an automatic urinal toilet flushing comprising:
   - a pipe (P) having an intermediate enlarged inner diameter area, said pipe comprising:
     - a first portion $P_1$ having a first diameter $d_1$;
     - a second portion $P_2$ having a second diameter $d_2$;
     - a third portion $P_3$ having a third diameter $d_3$; wherein the first, the second and
       the third portions are sequential and the diameter $d_2$ is greater than diameter $d_1$
       and diameter $d_3$;
     - a tapered forth portion $P_4$ connecting the first portion $P_1$ to the second portion
       $P_2$; and
     - a tapered fifth portion $P_5$ connecting the second portion $P_2$ to the third portion
       $P_3$;
   - a valve mechanism located within the pipe (P), the said valve mechanism comprising
     an inlet dual valve (1), an outlet dual valve (2) and a connecting rod connecting the
     inlet dual valve (1) and outlet dual valve (2); and
   - an actuating mechanism that gets automatically actuated and upon actuation, operates
     the valve mechanism to perform a flushing operation.

2. The system for facilitating automatic urinal toilet flushing as claimed in claim 1, wherein
   the actuating mechanism operates the inlet and outlet dual valves such that when the inlet
   dual valve is in a closed position, the outlet dual valve is maintained in an open position
   and vice-versa.

3. The system for facilitating automatic urinal toilet flushing as claimed in claim 1, wherein
   the inlet dual valve comprises a first and a second portion, with the second
   portion comprising a tapered diameter.

4. The system for facilitating automatic urinal toilet flushing as claimed in any of claims 2
   or 3, wherein in the closed position the first and second portion of the inlet dual valve co-
   operates with the first and the forth portions $P_1$ and $P_4$ of the pipe, respectively.

5. The system for facilitating automatic urinal toilet flushing as claimed in claim 1, wherein
   the outlet dual valve comprises a first and a second portion, with the second
   portion comprising a tapered diameter.
6. The system for facilitating automatic urinal toilet flushing as claimed in any of claims 2 or 5, wherein in the closed position the first and second portion of the outlet dual valve co-operates with the third and the fifth portions \( P_3 \) and \( P_5 \) of the pipe, respectively.

7. The system for facilitating automatic urinal toilet flushing as claimed in claim 1, wherein the actuating mechanism comprises:
   a mechanical platform (10) which compresses under the weight of person; and
   a connecting cable (8) adapted to connect both the dual-valve with a mechanical platform (10).

8. The system for facilitating automatic urinal toilet flushing as claimed in claim 7, wherein mechanical platform is mounted upon a base in a movable manner, and separated from and base by a set of resilient means, such that upon actuation the mechanical platform moves closer to the base.

9. The system for facilitating automatic urinal toilet flushing as claimed in claim 8, wherein the base is provided with a set of motion limiting structures so as to maintain a minimum distance between the base and the mechanical platform.

10. The system for facilitating automatic urinal toilet flushing as claimed in claim 1, further comprising a resilient means (7) adapted to retain in its normal position the inlet dual-valve in the closed position and the outlet dual-valve in the open position.

11. The system for facilitating automatic urinal toilet flushing as claimed in claim 1, wherein the third portion \( P_3 \) of the pipe is adopted to hold a predetermined quantity of water therein for flushing purposes.

12. The system for facilitating automatic urinal toilet flushing as claimed in claim 3, wherein the inlet dual valve comprises a resilient sealing means disposed between the first and a second portion.

13. The system for facilitating automatic urinal toilet flushing as claimed in claim 5, wherein the outlet dual valve comprises a resilient sealing means disposed between the first and a second portion.
We Claim:

1. A system for facilitating an automatic urinal toilet flushing comprising:
   - a pipe (P) having an intermediate enlarged inner diameter area, said pipe comprising:
     - a first portion $P_1$ having a first diameter $d_1$;
     - a second portion $P_2$ having a second diameter $d_2$;
     - a third portion $P_3$ having a third diameter $d_3$; wherein the first, the second and
       the third portions are sequential and the diameter $d_2$ is greater than diameter $d_1$
       and diameter $d_3$;
     - a tapered forth portion $P_4$ connecting the first portion $P_1$ to the second portion
       $P_2$; and
     - a tapered fifth portion $P_5$ connecting the second portion $P_2$ to the third portion
       $P_3$;
   - a valve mechanism located within the pipe (P), the said valve mechanism comprising
     an inlet dual valve (1), an outlet dual valve (2) and a connecting rod connecting the
     inlet dual valve (1) and outlet dual valve (2); and
   - an actuating mechanism that gets automatically actuated and upon actuation, operates
     the valve mechanism to perform a flushing operation.

2. The system for facilitating automatic urinal toilet flushing as claimed in claim 1, wherein
   the actuating mechanism operates the inlet and outlet dual valves such that when the inlet
   dual valve is in a closed position, the outlet dual valve is maintained in an open position
   and vice-versa.

3. The system for facilitating automatic urinal toilet flushing as claimed in claim 1, wherein
   the inlet dual valve comprises a first and a second portion, with the second
   portion comprising a tapered diameter.

4. The system for facilitating automatic urinal toilet flushing as claimed in claim 3, wherein
   in the closed position the first and second portion of the inlet dual valve co-operates with
   the first and the forth portions $P_1$ and $P_4$ of the pipe, respectively.

5. The system for facilitating automatic urinal toilet flushing as claimed in claim 1, wherein
   the outlet dual valve comprises a first and a second portion, with the second
   portion comprising a tapered diameter.
6. The system for facilitating automatic urinal toilet flushing as claimed in claim 5, wherein in the closed position the first and second portion of the outlet dual valve co-operates with the third and the fifth portions $P_3$ and $P_5$ of the pipe, respectively.

7. The system for facilitating automatic urinal toilet flushing as claimed in claim 1, wherein the actuating mechanism comprises:
   a mechanical platform (10) which compresses under the weight of person; and
   a connecting cable (8) adapted to connect both the dual-valve with a mechanical platform (10).

8. The system for facilitating automatic urinal toilet flushing as claimed in claim 7, wherein mechanical platform is mounted upon a base in a movable manner, and separated from and base by a set of resilient means, such that upon actuation the mechanical platform moves closer to the base.

9. The system for facilitating automatic urinal toilet flushing as claimed in claim 8, wherein the base is provided with a set of motion limiting structures so as to maintain a minimum distance between the base and the mechanical platform.

10. The system for facilitating automatic urinal toilet flushing as claimed in claim 1, further comprising a resilient means (7) adapted to retain in its normal position the inlet dual-valve in the closed position and the outlet dual-valve in the open position.

11. The system for facilitating automatic urinal toilet flushing as claimed in claim 1, wherein the third portion $P_3$ of the pipe is adopted to hold a predetermined quantity of water therein for flushing purposes.

12. The system for facilitating automatic urinal toilet flushing as claimed in claim 3, wherein the inlet dual valve comprises a resilient sealing means disposed between the first and a second portion.

13. The system for facilitating automatic urinal toilet flushing as claimed in claim 5, wherein the outlet dual valve comprises a resilient sealing means disposed between the first and a second portion.