

(12) **United States Patent**
Edgeworth

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(54) **SYSTEM FOR INCREASING THE EFFICIENCY OF A WATER METER**

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(52) **U.S. Cl.**

USPC **137/270**; 137/542; 251/337

(58) **Field of Classification Search**

USPC 137/535, 540, 542, 270; 251/337;
73/861.82

See application file for complete search history.

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(57) **ABSTRACT**

Disclosed is a system and an associated valve assembly that are adapted to increase the efficiency of an upstream water meter. By way of the valve assembly entrained water bubbles can be removed from a water supply. This, in turn, increases the density of the water running through the water meter. This ensures that the water meter is not inaccurately including entrained air as metered water. The result is more accurate water readings and reduced utility bills.

6 Claims, 7 Drawing Sheets

