



(12) **United States Patent**
Vaughn et al.

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(54) **BUCKET WHEEL ASSEMBLY FOR FLUID FLOW METERS**

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(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 37 days.

(57) **ABSTRACT**

An improved bucket wheel assembly with a center frame, having a plurality of fingers extending therefrom. In each of the fingers a slot is formed. The assembly also includes a plurality of conically shaped hollow cups. The hollow cups each have a wall that forms an apex and a circular opening. The hollow cups may also have a second slot formed by two substantially parallel protuberances on the inner surface of each hollow cup. The hollow cups are attached to the center frame by matching the slots and sliding one into the other, so that a portion of the finger is between the protuberances, from the opening of each hollow cup. The hollow cup is slid into the slot until it reaches the bottom of the slot on the finger.

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(58) **Field of Classification Search** None
See application file for complete search history.

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10 Claims, 1 Drawing Sheet

