

InvenioIP - Technology Details

Institution: University of Maryland, Baltimore

Docket: DJ-2006-086

Title: Ambulatory Aid with Step Counter

Summary: The present technology introduces a step-counting device that may be employed with a number of ambulatory aids that is beneficial in measuring and monitoring activity in patients recovering ambulatory capacity.

Applications:

- Durable and inexpensive device for disabled and/or injured patients to monitor their physical activity and progress
- Tool for physicians and caregivers to monitor patient's ambulatory progress
- Teaching aid

Advantages:

- Compact device for patients to take home already attached to an ambulatory aid, enabling their independence.
- Device may be fit onto existing crutches, canes, walkers, or prosthetics.
- Device is waterproof and durable.
- System is battery powered and self-contained.
- Allows for easy acquisition of data, with the potential to blind the user of current count.
- Accurately records steps taken without altering function, integrity, weight or appearance.

State of Development: Currently available in final commercial form.

R and D Required: Possible study to document particular clinical utility.

Licensing Potential: UMB seeks commercialization partner.

Patent Status: U.S. Non-Provisional Patent Application 11/848,199 [Ambulatory Aid with Step Counter](#), filed August 30, 2007, pending

Related Publications: N/A

Files:

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