

(12) **United States Patent**
Eddy

(10) **Patent No.:** **US 8,500,613 B2**
(45) **Date of Patent:** **Aug. 6, 2013**

(54) **PORTABLE LEG EXERCISER AND MOBILITY ENHANCEMENT SYSTEM**

(71) Applicant: **Malcolm Eddy**, Naples, FL (US)

(72) Inventor: **Malcolm Eddy**, Naples, FL (US)

(73) Assignee: **Ole! LLC**, Garland, TX (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.: **13/660,906**

(22) Filed: **Oct. 25, 2012**

(65) **Prior Publication Data**

US 2013/0045843 A1 Feb. 21, 2013

Related U.S. Application Data

(62) Division of application No. 12/847,970, filed on Jul. 3, 2010, now Pat. No. 8,376,919.

(60) Provisional application No. 61/273,369, filed on Aug. 4, 2009.

(51) **Int. Cl.**
A63B 21/00 (2006.01)

(52) **U.S. Cl.**
USPC **482/131; 482/79; 482/907**

(58) **Field of Classification Search**

USPC 482/79, 91, 131, 907
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,253,639	A	10/1993	Johnston	
5,267,926	A	12/1993	Schaefer	
5,713,821	A	2/1998	Nissen	
5,863,280	A	1/1999	Wang	
6,159,133	A	12/2000	Shugg	
6,887,187	B1 *	5/2005	Renz	482/57
7,361,127	B2	4/2008	Tremayne	
7,635,323	B2 *	12/2009	Halbridge	482/130
8,303,472	B2 *	11/2012	Bowser	482/121

* cited by examiner

Primary Examiner — Glenn Richman

(74) *Attorney, Agent, or Firm* — Kirby B. Drake; Klemchuk Kubasta LLP

(57) **ABSTRACT**

A system (100) and method (400, 500) to exercise the leg and enhance mobility after a variety of injuries or surgery is disclosed. The system could include a chair leg anchor (104), a leg wrap (102), a stationary pulley (110) secured to the chair leg anchor, a movable pulley (108) secured to the leg wrap, a rope (106), and a handle (112). The rope could be threaded from a first end secured to the chair leg anchor, through the movable pulley, through the stationary pulley, and to a second end secured to the handle.

4 Claims, 7 Drawing Sheets

