



US 20120271214A1

(19) **United States**

(12) **Patent Application Publication**  
**Blanck**

(10) **Pub. No.: US 2012/0271214 A1**

(43) **Pub. Date: Oct. 25, 2012**

(54) **DYNAMIC EXOSKELETAL ORTHOSIS**

**Publication Classification**

(75) Inventor: **Ryan Vaughn Blanck, Schertz, TX (US)**

(51) **Int. Cl.**  
**A61F 5/052** (2006.01)

(73) Assignee: **The Government of the USA As Represented By the Secretary of the Army, Fort Detrick, MD (US)**

(52) **U.S. Cl.** ..... **602/27**

(21) Appl. No.: **13/450,539**

(22) Filed: **Apr. 19, 2012**

(57) **ABSTRACT**

**Related U.S. Application Data**

(60) Provisional application No. 61/518,801, filed on Apr. 20, 2011.

An exoskeletal orthosis includes a proximal cuff comprising a hinge along an upper edge of the cuff; an ankle section/footplate; and at least one posterior strut connecting the proximal cuff to the ankle section and foot plate.

