



US 20050040962A1

(19) **United States**

(12) **Patent Application Publication**  
**Funkhouser et al.**

(10) **Pub. No.: US 2005/0040962 A1**

(43) **Pub. Date: Feb. 24, 2005**

(54) **RETRACTABLE FLEXIBLE DIGITAL DISPLAY APPARATUS**

(76) Inventors: **Phillip Funkhouser**, Dunwoody, GA (US); **Bill Moultrie**, Marietta, GA (US); **Wayne Utz**, Alpharetta, GA (US)

Correspondence Address:  
**SMITH, GAMBRELL & RUSSELL, LLP**  
**SUITE 3100, PROMENADE II**  
**1230 PEACHTREE STREET, N.E.**  
**ATLANTA, GA 30309-3592 (US)**

filed on Sep. 9, 2003. Provisional application No. 60/504,133, filed on Sep. 19, 2003. Provisional application No. 60/513,854, filed on Oct. 23, 2003. Provisional application No. 60/573,534, filed on May 21, 2004.

**Publication Classification**

(51) **Int. Cl.<sup>7</sup>** ..... **G09G 3/04; G09F 15/00; G08B 5/00**  
(52) **U.S. Cl.** ..... **340/815.4; 345/33**

(21) Appl. No.: **10/916,212**

(22) Filed: **Aug. 11, 2004**

(57) **ABSTRACT**

**Related U.S. Application Data**

(60) Provisional application No. 60/494,237, filed on Aug. 11, 2003. Provisional application No. 60/501,483,

The present invention provides a flexible digital display retractable into a portable housing. Electronic components are contained within the housing to provide for portable storage, viewing and markup of digital documents, such as full-size architectural drawings, on the digital display device.

