



US008690576B2

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

(10) **Patent No.:** **US 8,690,576 B2**

(45) **Date of Patent:** **Apr. 8, 2014**

(54) **BRaille DISPLAY DEVICE AND METHOD OF CONSTRUCTING SAME**

(56) **References Cited**

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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 213 days.

(21) Appl. No.: **13/407,364**

(22) Filed: **Feb. 28, 2012**

(65) **Prior Publication Data**

US 2012/0214139 A1 Aug. 23, 2012

Related U.S. Application Data

(63) Continuation-in-part of application No. 12/856,253, filed on Aug. 13, 2010, now Pat. No. 8,177,558, which is a continuation of application No. 12/189,449, filed on Aug. 11, 2008, now Pat. No. 7,775,797, which is a continuation of application No. 10/711,423, filed on Sep. 17, 2004, now Pat. No. 7,410,359.

(60) Provisional application No. 60/481,979, filed on Jan. 30, 2004.

(51) **Int. Cl.**
G09B 21/00 (2006.01)

(52) **U.S. Cl.**
USPC **434/114**

(58) **Field of Classification Search**
USPC 434/112, 113, 114, 115, 117; 400/109.1
See application file for complete search history.

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(57) **ABSTRACT**

Disclosed is a Braille display device. The device supports an array of individual Braille cells with corresponding tactile pins. The pins can be selectively lifted by way of reeds to generate Braille characters that can be felt by the user. The Braille characters can correspond to visible characters, such as characters on a computer screen. The display is refreshable to allow for the sequential display of lines, paragraphs, or pages. In accordance with the disclosure, the Braille cells are constructed in a manner that minimizes manufacturing costs and that also permits the size of the display to be greatly reduced.

16 Claims, 13 Drawing Sheets

