



US 20060238494A1

(19) **United States**

(12) **Patent Application Publication**

Narayanaswami et al.

(10) **Pub. No.: US 2006/0238494 A1**

(43) **Pub. Date: Oct. 26, 2006**

(54) **FLEXIBLE DISPLAYS AS AN INPUT DEVICE**

(22) Filed: **Apr. 22, 2005**

(75) Inventors: **Chandrasekhar Narayanaswami,**
Wilton, CT (US); **Mandayam**
Thondanur Raqhunath, Fishkill, NY
(US)

Publication Classification

(51) **Int. Cl.**
G09G 5/00 (2006.01)

(52) **U.S. Cl.** **345/156**

Correspondence Address:

IBM CORPORATION, T.J. WATSON
RESEARCH CENTER
P.O. BOX 218
YORKTOWN HEIGHTS, NY 10598 (US)

(57) **ABSTRACT**

A display comprising: (a) a flexible surface operable to exhibit images, the aforesaid flexible surface being capable of exhibiting variable degrees of bend; (b) a plurality of bend sensors for creating a plurality of bend measurements from a line of bend; and (c) a line detection device operable to detect orientation and position of the aforesaid line of bend based on the aforesaid plurality of bend measurements.

(73) Assignee: **International Business Machines Corporation,** Armonk, NY

(21) Appl. No.: **11/112,952**

