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## (12) United States Patent

#### Ousley et al.

#### (54) MEASUREMENT DEVICE THAT APPEARS TO A COMPUTER SYSTEM AS A FILE STORAGE DEVICE

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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 63 days.
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#### (65) **Prior Publication Data**

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#### **Related U.S. Application Data**

- (60) Provisional application No. 60/605,205, filed on Aug. 27, 2004.
- (51) Int. Cl.

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- *G01D 1/00* (2006.01)

See application file for complete search history.

# (10) Patent No.: US 7,184,922 B2

## (45) **Date of Patent:** Feb. 27, 2007

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Primary Examiner—Marc S. Hoff

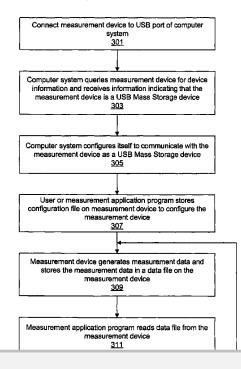
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#### (57) **ABSTRACT**

A measurement device operable to communicate with a computer system via files. The computer system may receive one or more files created by the measurement device, where the files include measurement data generated by the measurement device and may utilize the files to perform a measurement application. The measurement device may also be operable to receive a configuration file from the computer system and configure or control itself according to commands or settings therein. In one embodiment the measurement device may appear to the computer system as a USB Mass Storage device, and the files created by the measurement device may appear as files stored on a USB Mass Storage device. Thus, the computer system may communicate with the measurement device to obtain the measurement data files in the same standard manner in which it would obtain files stored on any other USB Mass Storage device.

#### 33 Claims, 4 Drawing Sheets

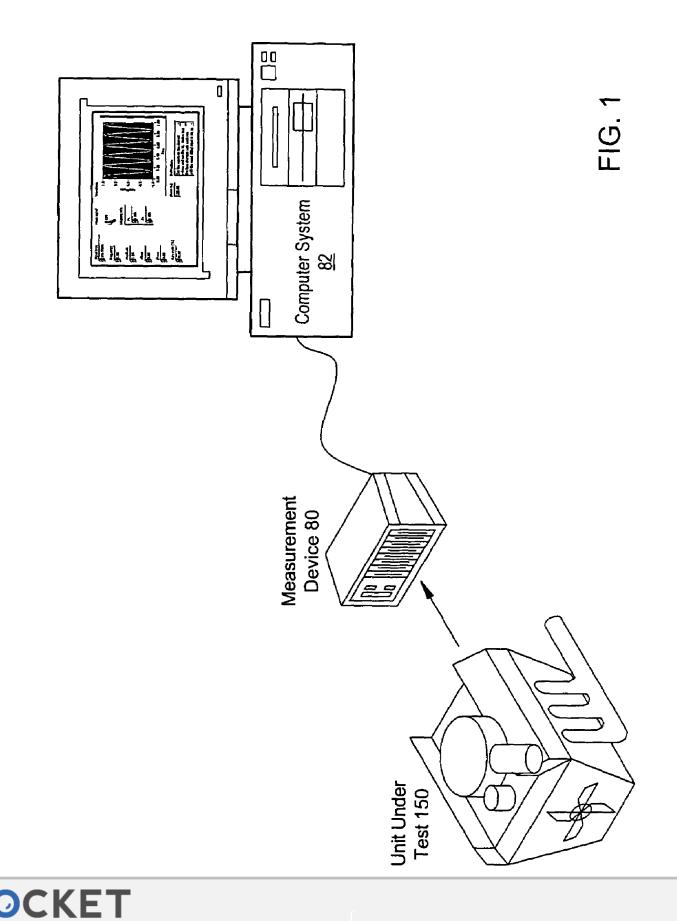


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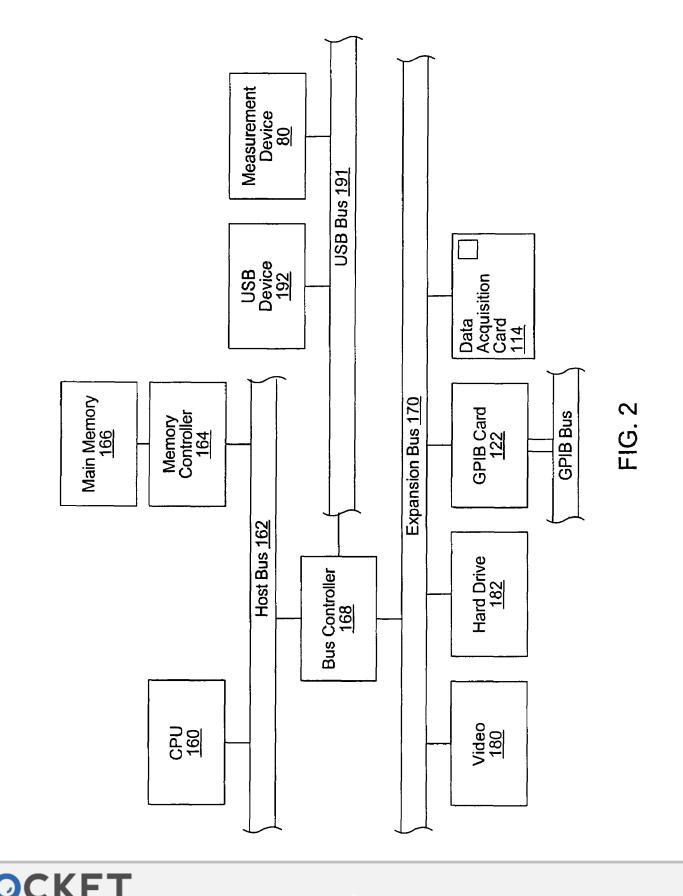
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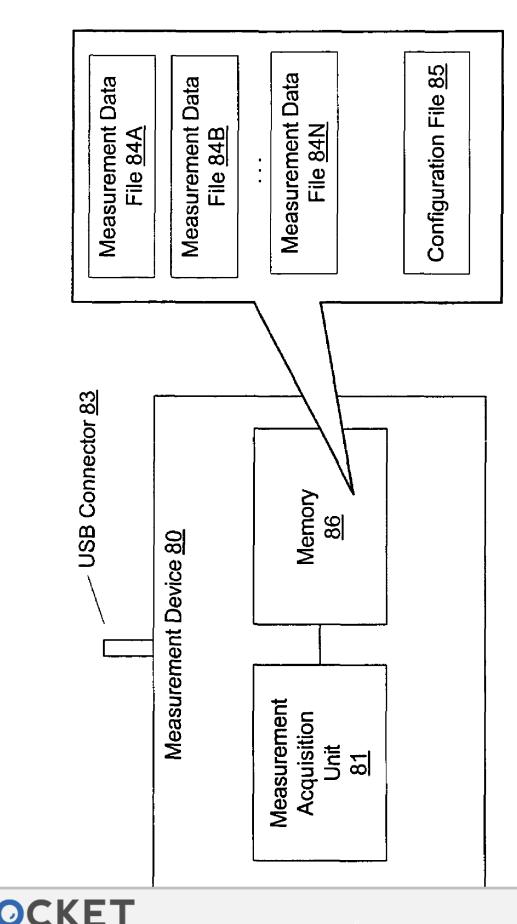
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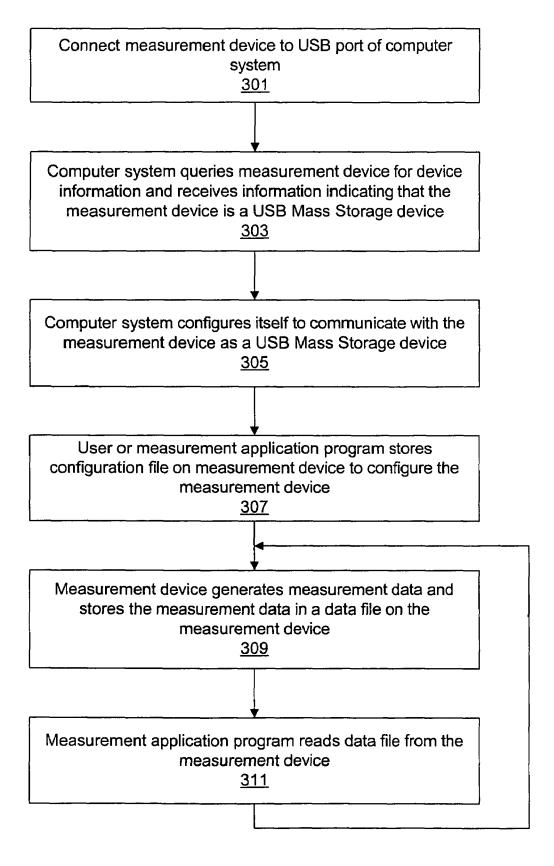
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