

EXHIBIT 1005:

U.S. PAT. NO. 6,258,229 TO WINARTA. (“WINARTA (‘229)’)

Pharmatech Solutions, Inc.: EXHIBIT 1005
REQUEST FOR *INTER PARTES* REVIEW



US006258229B1

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

(10) **Patent No.:** **US 6,258,229 B1**
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(54) **DISPOSABLE SUB-MICROLITER VOLUME SENSOR AND METHOD OF MAKING**

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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 0 days.

(21) Appl. No.: **09/324,493**

(22) Filed: **Jun. 2, 1999**

(51) **Int. Cl.**⁷ **G01N 27/26**; A61B 5/08; H02B 13/00

(52) **U.S. Cl.** **204/403**; 204/412; 427/2.13; 216/13

(58) **Field of Search** 204/400, 403, 204/412, 416, 431, 280, 286; 422/82.01, 88.02, 82.03; 324/439; 427/2.13; 216/13

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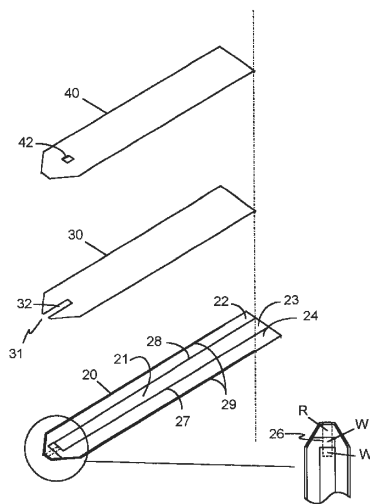
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(57) **ABSTRACT**

A disposable electrode strip for testing a fluid sample including a laminated strip with a first and second end, a vent, an open path for receiving a fluid sample of less than one microliter beginning from the first end and connecting to the vent, a working electrode, a reference electrode and a pseudo-working electrode embedded in the laminated strip within the open path and proximate to the first end, a reagent matrix coextensive within the open path and covering the three electrodes, and conductive contacts located at the second end of the laminated strip.

38 Claims, 6 Drawing Sheets



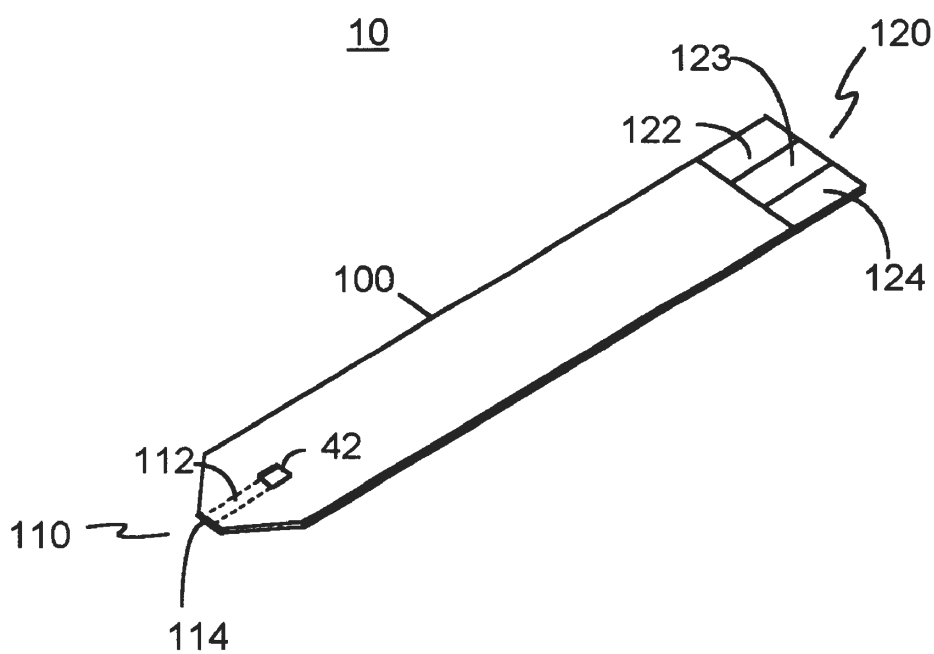


Fig. 1

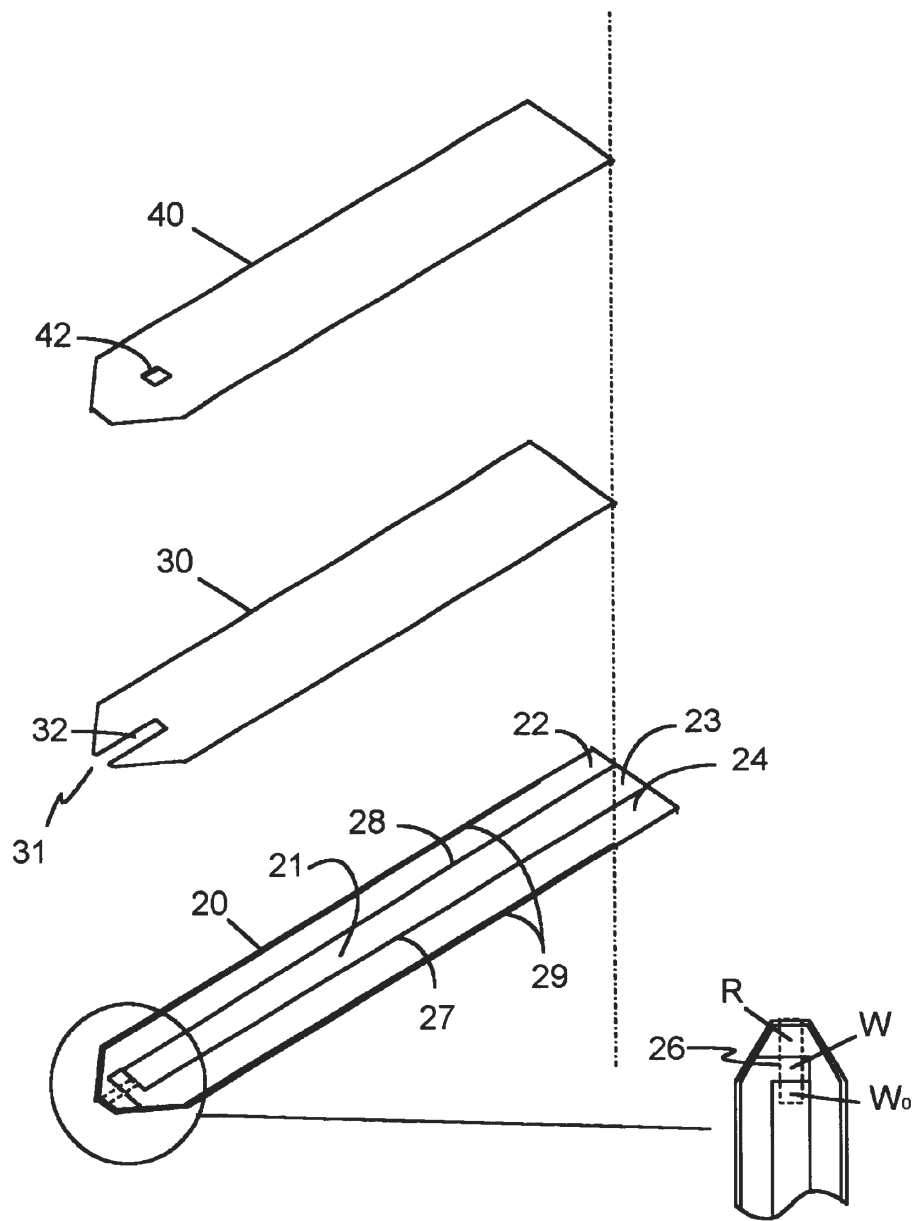


Fig. 2

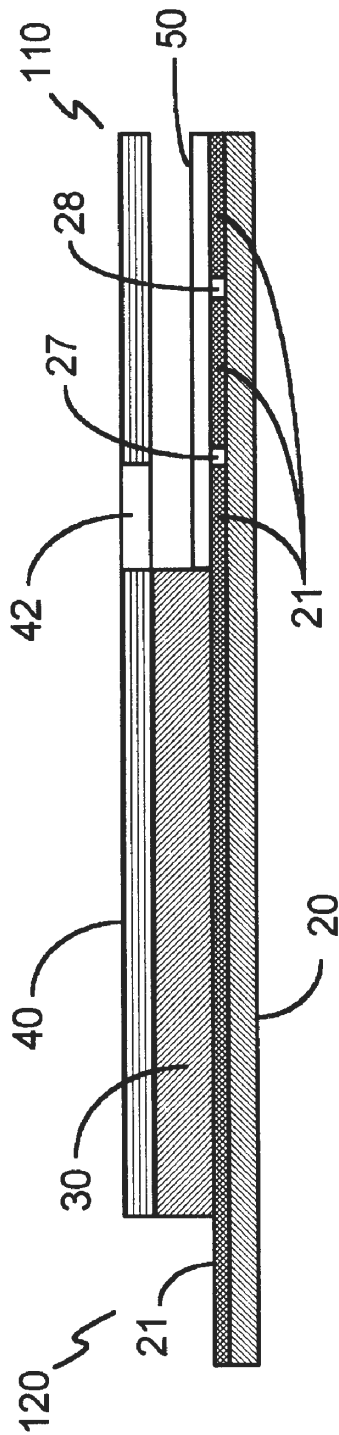


Fig. 3

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