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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

PHARMATECH SOLUTIONS, INC.
Petitioner

v.

LIFESCAN SCOTLAND LTD.
Patent Owner

Case IPR2013-00247
Patent 7,250,105

PATENT OWNER'S DEMONSTRATIVE EXHIBITS

PHARMATECH SOLUTIONS, INC.

Petitioner

v.

LIFESCAN SCOTLAND LTD.

Patent Owner

Case IPR2013-00247

Patent 7,250,105

LifeScan Scotland Ltd.'s Demonstrative Slides

12) **United States Patent**
Davies et al.

(10) **Patent No.:** **US 7,250,105 B1**
(45) **Date of Patent:** ***Jul. 31, 2007**

1. A method of measuring the concentration of a substance in a sample liquid comprising the steps of:

providing a measuring device said device comprising:

a first working sensor part for generating charge carriers in proportion to the concentration of said substance in the sample liquid;

a second working sensor part downstream from said first working sensor part also for generating charge carriers in proportion to the concentration of said substance in the sample liquid wherein said first and second working sensor parts are arranged such that, in the absence of an error condition, the quantity of said charge carriers generated by said first working sensor part are substantially identical to the quantity of said charge carriers generated by said second working sensor part; and

a reference sensor part upstream from said first and second working sensor parts which reference sensor part is a common reference for both the first and second working sensor parts, said reference sensor part and said first and second working sensor parts being arranged such that the sample liquid is constrained to flow substantially unidirectionally across said reference sensor part and said first and second working sensor parts; wherein said first and second working sensor parts and said reference sensor part are provided on a disposable test strip;

12) **United States Patent**
Davies et al.

(10) **Patent No.:** **US 7,250,105 B1**
(45) **Date of Patent:** ***Jul. 31, 2007**

applying the sample liquid to said measuring device;
measuring an electric current at each working sensor part
proportional to the concentration of said substance in
the sample liquid;
comparing the electric current from each of the working
sensor parts to establish a difference parameter; and
giving an indication of an error if said difference param-
eter is greater than a predetermined threshold.

Measuring Device



US005120420A

United States Patent [19] [11] **Patent Number: 5,120,420**
 Nankai et al. [45] **Date of Patent: Jun. 9, 1992**

BIOSENSOR AND A PROCESS FOR PREPARATION THEREOF
 4,418,148 11/1983 Oberhardt 435/180
 4,545,382 10/1985 Higgins et al. 435/180
 4,897,173 1/1990 Nankai et al. 204/412
 4,900,405 2/1990 Otagawa et al. 204/153.16

Inventors: **Shiro Nankai, Hironaka; Mariko Kawaguri; Mayumi Ohtani**, both of Moriguchi; **Takashi Iijima, Hironaka**, all of Japan

FOREIGN PATENT DOCUMENTS

62-137559 6/1987 Japan 27/26
 63-3248 1/1988 Japan 27/26
 63-58149 3/1988 Japan 27/26

Assignee: **Matsushita Electric Industrial Co., Ltd., Osaka, Japan**

Primary Examiner—John Niebling
Assistant Examiner—Bruce F. Bell
Attorney, Agent, or Firm—Stevens, Davis, Miller & Mosher

Appl. No.: **445,632**
 PCT Filed: **Mar. 31, 1989**
 PCT No.: **PCT/JP89/00337**

OR

Ex. 1003



US006258229B1

United States Patent (10) **Patent No.: US 6,258,229 B1**
 Winarta et al. (45) **Date of Patent: Jul. 10, 2001**

4) **DISPOSABLE SUB-MICROLITER VOLUME SENSOR AND METHOD OF MAKING**
 5,509,410 4/1996 Hill et al. 435/287.1
 5,563,067 * 10/1996 Sugihara et al. 435/287.1
 5,628,890 5/1997 Carter et al.
 5,670,031 * 9/1997 Hintsche et al. 204/412
 5,682,884 11/1997 Hill et al.
 5,708,247 1/1998 McAJeer et al.
 5,755,953 5/1998 Henning et al.
 5,759,364 6/1998 Charlton et al.
 5,762,770 6/1998 Pritchard et al.
 6,004,441 * 12/1999 Fujiwara et al. 204/412

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OTHER PUBLICATIONS

Ex. 1005

Measuring/Comparing/Error



US005791344A

United States Patent [19] [11] **Patent Number: 5,791,344**
 Schulman et al. [45] **Date of Patent: *Aug. 11, 1998**

[54] **PATIENT MONITORING SYSTEM** 4,832,797 5/1989 Vadgama et al. 204/415
 4,871,351 10/1989 Feingold 604/66
 4,890,620 1/1990 Gough 128/635
 4,891,104 1/1990 Liston et al. 204/415
 4,934,369 6/1990 Maxwell 128/637
 4,944,299 7/1990 Silvan 128/419
 4,954,129 9/1990 Gulliani et al. 604/53
 5,030,333 7/1991 Clarke, Jr. 128/635
 5,135,003 8/1992 Souma 128/680
 5,190,041 3/1993 Palti 604/66
 5,271,815 12/1993 Wang 204/415
 5,320,098 6/1994 Davidson 128/908
 5,322,063 6/1994 Allen et al. 204/412
 5,496,453 3/1996 Uenoxama et al. 204/415

[75] Inventors: **Joseph H. Schulman**, Santa Clarita; **Ronald J. Lebel**, Sherman Oaks; **Joseph Y. Lucisano**, San Diego; **Alfred E. Mann**, Beverly Hills; **Orville Rey Rule, III**; **David I. Whitmoyer**, both of Los Angeles, all of Calif.
 [73] Assignee: **Alfred E. Mann Foundation for Scientific Research**, Sylmar, Calif.
 [*] Notice: The term of this patent shall not extend beyond the expiration date of Pat. No. 5,497,772.

Primary Examiner—Robert L. Nasser
Attorney, Agent, or Firm—Fitch, Even, Tabin & Flannery

Ex. 1007

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