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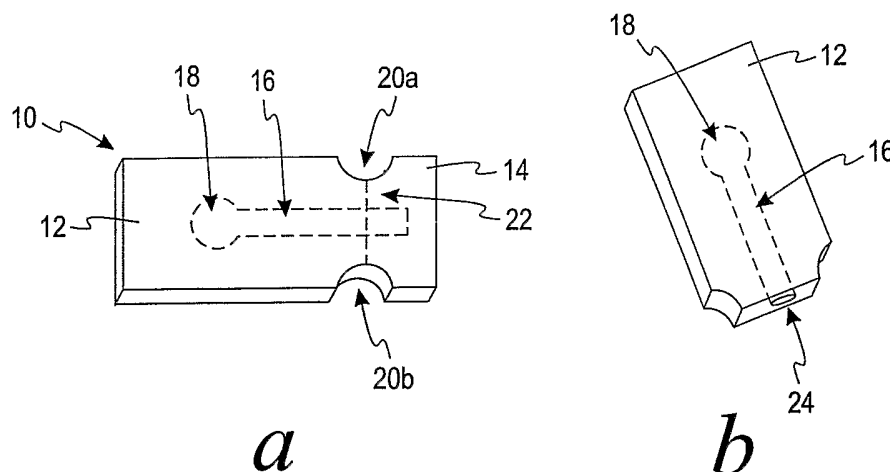
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(54) Title: SELF-CONTAINED TEST SENSOR



(57) Abstract: A test strip to assist in determining the concentration of an analyte in a fluid sample comprises a base, at least one tab and a break line. The base includes a capillary channel and a test element. The capillary channel is in fluid communication with the test element. The test element is adapted to receive the fluid sample. The at least one tab is removably attached to the base. The capillary channel extends from the base into a portion of the tab. The break line intersects the capillary channel in which an inlet to the capillary channel is exposed along the break line when the tab is separated from the base.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. B01L3/00

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
B01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 071 294 A (SIMONS ET AL) 6 June 2000 (2000-06-06) figure 4 column 10, lines 54-58 column 11, lines 42-46 column 7, lines 38-46	65-67
A	-----	1-50
X	EP 1 360 932 A (LIFESCAN, INC) 12 November 2003 (2003-11-12) paragraphs [0074], [0075], [0084]; figure 5	65-67
A	-----	1-50
	US 6 180 063 B1 (MARKART ERNST) 30 January 2001 (2001-01-30) column 1, lines 50-58 column 2, lines 1-5 figure 2 -----	

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 090 124 A (WEEKES ET AL) 18 July 2000 (2000-07-18) column 1, lines 12-18 -----	1-50
A	US 5 234 813 A (MCGEEHAN ET AL) 10 August 1993 (1993-08-10) column 12, lines 4-6; figure 4 -----	1-50
A	US 2001/027277 A1 (KLITMOSE LARS PETER) 4 October 2001 (2001-10-04) paragraphs [0016], [0046], [0047]; figures 5a,5b -----	1-50

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6071294	A	06-06-2000	DE 19855458 A1	01-07-1999
			GB 2331935 A	09-06-1999
EP 1360932	A	12-11-2003	CA 2427861 A1	09-11-2003
			CN 1456886 A	19-11-2003
			JP 2004113772 A	15-04-2004
			SG 106686 A1	29-10-2004
			US 2003212346 A1	13-11-2003
US 6180063	B1	30-01-2001	NONE	
US 6090124	A	18-07-2000	DE 69726290 D1	24-12-2003
			DE 69726290 T2	09-09-2004
			EP 0925021 A2	30-06-1999
			WO 9806331 A2	19-02-1998
			JP 2000516496 T	12-12-2000
US 5234813	A	10-08-1993	NONE	
US 2001027277	A1	04-10-2001	NONE	