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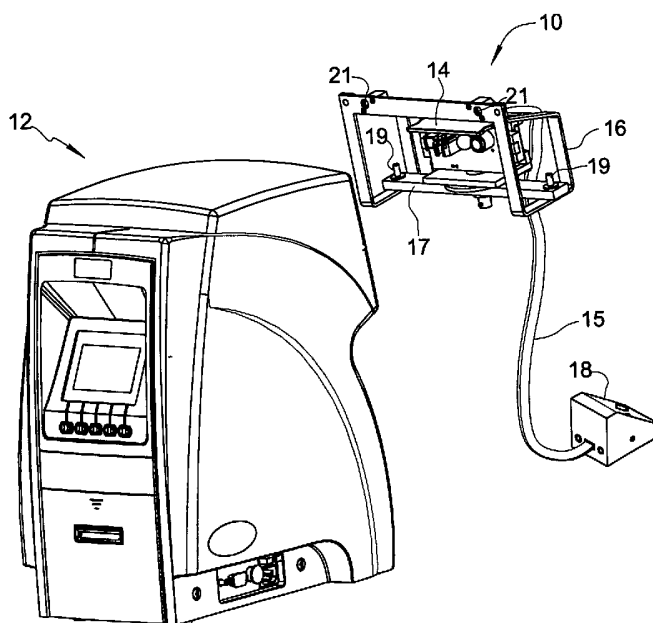
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[Continued on next page]

(54) Title: TONOMETER CALIBRATION TOOL



(57) Abstract: An apparatus (14) for calibrating a non-contact tonometer (12) includes an electronic eye (24) having a damped pressure sensor (60) for receiving a tonometer air pulse and providing a pressure signal in response to the air pulse, and applanation simulation means (70) connected to the pressure sensor for providing a pseudo-applanation event when the pressure signal reaches a predetermined level corresponding to a known IOP measurement standard. A method for calibrating a non-contact tonometer using the inventive calibration apparatus is also described.



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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/11032

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 3/16

US CL : 600/398

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 600/398, 399, 401, 405, 561, 587

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 practicable, search terms used)  
Please See Continuation Sheet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, P	US 6,419,631 B1 (LUCE) 16 July 2002, see entire document.	1-32
A	US 5,474,066 A (GROLMAN) 12 December 1995, see entire document.	1-32
A	US 4,220,038 A (KANTORSKI) 02 September 1980, see entire document.	1-32
A	JP 11225974 A (KOBAYAKAWA) 24 August 1999, see entire document.	1-32

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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# INTERNATIONAL SEARCH REPORT

PCT/US03/11032

## Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: tonometer, air, fluid, pulse, puff, calibration, electronic eye, applanation event, pseudo-applanation, simulation, artificial eye, mirror, glass, infrared, emitter