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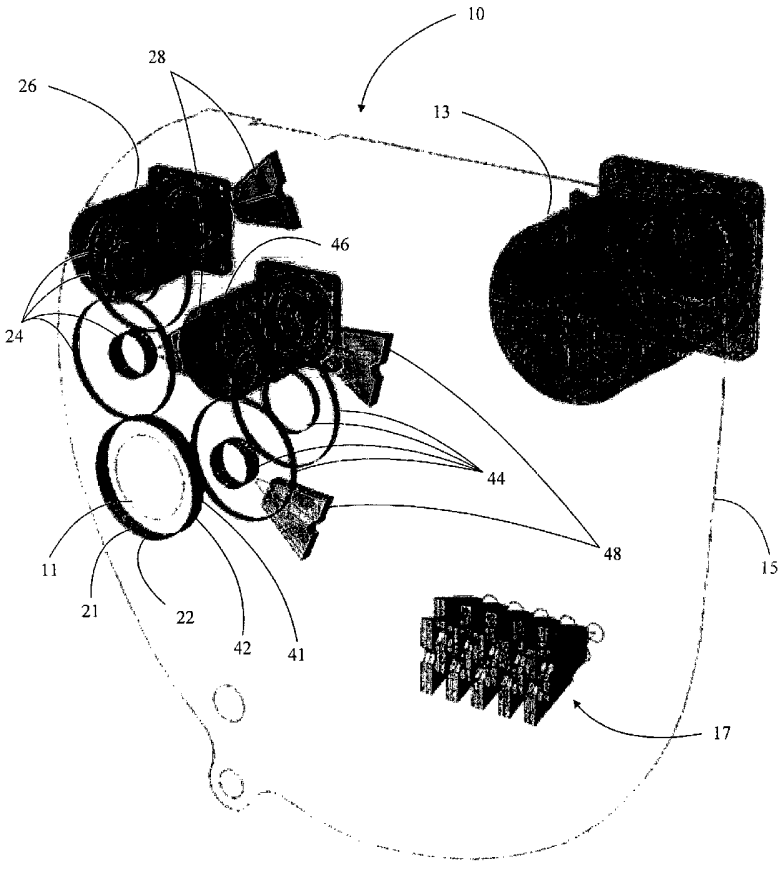
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[Continued on next page]

(54) Title: CLINICAL REFRACTIVE INSTRUMENTS



(57) Abstract: A clinical refractive instrument (10) is described for adjusting dioptric power according to three orthogonal axes. The instrument (10) includes a viewing aperture (11), a plurality of spherical lenses and a pair of cylindrical lenses (21 and 41). The plurality of spherical lenses (21 and 41) are adjustable such that a selected spherical lens may be aligned with the viewing aperture (11). The pair of cylindrical lenses (21 and 41) are operative to produce a combination of astigmatic power elements J_0 and J_{45}. Each of the cylindrical lenses (21 and 41) are capable of being independently rotated, and the pair of the cylindrical lenses (21 and 41) may be super imposed with respect to each other and aligned with the viewing aperture (11) and the selected spherical lens. Methods for using (500) and controlling (400) the instrument (11) are also described.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A 61B 3/10
US CL : 351/216

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. : 351/211, 212, 216-218, 222

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)
EAST, WEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,917,480 A (KATO et al) 17 April 1990, see entire document.	1-15
A	US 3,822,932 A (HUMPHREY) 09 July 1974, see entire document.	1-15

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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