

Title (en)

Visual accommodation trainer-tester.

Title (de)

Übungs- und Prüfgerät für die Akkommodation des Auges.

Title (fr)

Appareil pour l'exercice et pour l'examen de l'accommodation oculaire.

Publication

EP 0135736 A2 19850403 (EN)

Application

EP 84109217 A 19840803

Priority

US 52674183 A 19830826

Abstract (en)

The invention is an apparatus for training of the human visual accommodation system. Specifically, the apparatus is useful for training a person to volitionally control his focus to his far point (normally infinity) from a position of myopia due to functional causes. The functional causes could be due, for example, to a behavioral accommodative spasm or the effects of an empty field. The device may also be used to measure accommodation, the accommodation resting position and the near and far points of vision. The device comprises a number of optical elements arranged on a single optical axis (74). Several of the elements are arranged in order on a movable stage (20) in fixed relationship to each other a light source (30), a lens (32), a target (36), an aperture (42), (48) or (52) and another lens (58). On base (18) and in fixed relationship to each other are eyepiece (70) and a further lens (64). Stage (20) generates an image (72) of target (36) and the stage is movable with respect to base (18) by means of knob (22). The device is utilized for the various training and test functions by following a series of procedural steps, and interchanging the apertures as necessary for the selected procedure.

IPC 1-7

A61B 3/09; **A61H 5/00**

IPC 8 full level

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CPC (source: EP)

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Cited by

CN104856846A; FR2880789A1; FR2674427A1; CN104921910A; GB2203565A; US4838677A; FR2637801A1; GB2203565B; US7682021B2; US7642990B2; US7367671B2; US7753524B2; US7594728B2; US9844323B2

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