

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
A61B 3/02 (2006.01); **A61B 3/09** (2006.01); **A61F 9/00** (2006.01); **A61H 5/00** (2006.01)

CPC (source: EP)
A61H 5/00 (2013.01)

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

Designated contracting state (EPC)
BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0135736 A2 19850403; **EP 0135736 A3 19871104**; AU 2759884 A 19850307; AU 548347 B2 19851205; CA 1246917 A 19881220; IL 71677 A 19871130; JP S6048743 A 19850316; JP S6317455 B2 19880413

DOCDB simple family (application)
EP 84109217 A 19840803; AU 2759884 A 19840502; CA 459683 A 19840725; IL 7167784 A 19840427; JP 13972084 A 19840705