Title (en)

Prism based dynamic vision training device and method thereof

Title (de)

Prismenbasierte Vorrichtung und Methode zum dynamischen Trainieren des menschlichen Sehvermögens

Title (fr)

Procédé et dispositif d'entraînement dynamique de la vision humaine

Publication

EP 1384462 A2 20040128 (EN)

Application

EP 03013071 A 20030610

Priority

- CN 02125268 A 20020722
- JP 2003155255 A 20030530

Abstract (en)

A vision training device includes a fixed frame positionable in front of a wearer's face. The fixed frame defines two windows corresponding in position to the eyes of the wearer, through which light passes. An optic system includes a prism lens, which may have fixed power or variable power by changing shapes thereof. The prism lens is mounted to the fixed frame and is movable between first and second positions, wherein in the first position, light is allowed to pass in a first state with which the eyes are adducted, and in the second position, light is allowed to pass in a second state with which the eyes are abducted. A transmission system is coupled to and selectively drives the prism lens between the first and second positions. Thus, by repeatedly and cyclically moving the prism lens between the first and second positions, the eyes are forced to change between adduction and abduction thereby realizing training of vision. <IMAGE>

IPC 1-7

A61H 5/00

IPC 8 full level

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CPC (source: EP)

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Cited by

CN104739623A; CN111870490A; CN112515929A; CN111616930A; CN102204863A; CN103505346A; CN104849862A; CN109223464A; US7594728B2; WO2013123558A1

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