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(54) Title: VISUAL TRAINING METHOD AND SYSTEM BASED ON DICHOPTIC VIEWING

(54) 发明名称: 一种基于双眼分视的视觉训练方法及系统

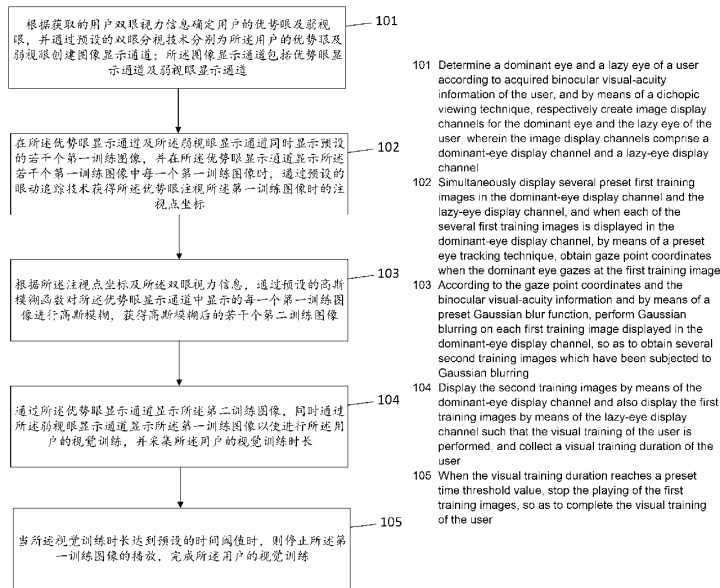


图 1

(57) Abstract: Disclosed in the present invention are a visual training method and system based on dichoptic viewing. The method comprises: determining a dominant eye and a lazy eye of a user according to acquired binocular visual-acuity information of the user, and by means of a dichoptic viewing technique, respectively creating image display channels for the dominant eye and the lazy eye of the user; simultaneously displaying preset first training images in a dominant-eye display channel and a lazy-eye display channel; by means of a preset eye tracking technique and a preset Gaussian blur function, performing Gaussian blurring on each first training

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PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW。

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image in the dominant-eye display channel, such that by means of the dominant-eye display channel, several second training images which have been subjected to Gaussian blurring are displayed; also displaying the first training images by means of the lazy-eye display channel, such that the visual training of the user is performed; and when a visual training duration of the user reaches a preset time threshold value, completing the visual training of the user. Thus, the effect of visual training is improved.

(57) 摘要: 本发明公开了一种基于双眼分视的视觉训练方法及系统, 包括: 根据获取的用户双眼视力信息确定用户的优势眼及弱视眼, 并通过预设的双眼分视技术分别为所述用户的优势眼及弱视眼创建图像显示通道, 在所述优势眼显示通道及所述弱视眼显示通道同时显示预设的第一训练图像, 通过预设的眼动追踪技术及预设的高斯模糊函数对所述优势眼显示通道中的第一训练图像进行高斯模糊, 使得所述优势眼显示通道显示高斯模糊后的若干个第二训练图像, 同时通过所述弱视眼显示通道显示所述第一训练图像以使进行所述用户的视觉训练, 当用户的视觉训练时长达到预设的时间阈值时, 则完成所述用户的视觉训练, 提高视觉训练的效果。