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(57) Abstract :

SPECTACLE MOUNTED DEVICE AND TERMINAL FOR VISUAL ACUITY TEST (DYNAMIC & STATIC) WITH MIXED REALITY The present disclosure introduces Spectacle mounted device and terminal for visual acuity test (dynamic & static) with mixed reality 100 to redefine visual acuity testing by offering an immersive platform for dynamic and static assessments. Spectacle mounted device and terminal for visual acuity test with mixed reality 100 is provided with computer system 102, VR tracking system 104, VR software 106, Dynamic Visual Acuity Test Application 108, virtual reality headset or Head Mounted Display 200 comprising of micro display 202, lenses 204, optics 206, adjustable focus 208, tracking sensors 210, audio components 212, headband and straps 214, cables and connectors 216, control interface 218, power unit 220, Cooling System 222, External Tracking System 224. This innovation empowers users to assess visual acuity with realism, providing valuable insights for eye care professionals and improving the quality of dynamic visual acuity testing. Reference Figure 1

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