

Title (en)

METHOD AND ARRANGEMENT FOR COMBINING HOLOGRAMS WITH COMPUTER GRAPHICS

Title (de)

VERFAHREN UND ANORDNUNG ZUR KOMBINATION VON HOLOGRAMMEN MIT COMPUTERGRAFIK

Title (fr)

PROCEDE ET DISPOSITIF DE COMBINAISON D'HOLOGRAMMES ET DE GRAPHIQUES INFORMATIQUES

Publication

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Application

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Abstract (en)

[origin: WO2005045531A1] The aim of the invention is to provide a method and an arrangement for carrying out said method, by which means optical holograms and interactive computer graphics can be harmoniously and uniformly combined, so that all components can be recognised in an optically sharp and separate manner and the holograms can be represented in a modified manner, especially also partially accentuated. According to the invention, the hologram is illuminated by an illumination image projected by the video projector, a holographic wave front that can be seen by the observer is reconstructed therefrom, and computer graphics are simultaneously displayed on the screen. The invention also relates to a method for combining computer graphics (G) with an optical hologram (2) having a virtual (H) content, using a partially transparent, optical element (3), a hologram (2), a monitor located on the side of the partially transparent element (3) opposing the observer (V), and a video projector (P), the 3D holographic image of the hologram (2) superimposing the image of the monitor.

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