Title (en)

PROJECTION TELEVISIONS WITH HOLOGRAPHIC SCREENS FOR HIGH OFF AXIS EXCLUSION

Title (de)

PROJEKTIONSFERNSEHGERÄTE MIT HOLOGRAPHISCHEN BILDSCHIRMEN FÜR HOHE AUSSERAXIALE UNTERDRÜCKUNG

Title (fr)

TELEVISEURS A PROJECTION A ECRANS HOLOGRAPHIQUES POUR EXCLUSION HORS-AXE ELEVEE

Publication

EP 1051855 A1 20001115 (EN)

Application

EP 98903795 A 19980129

Priority

US 9801627 W 19980129

Abstract (en)

[origin: WO9939511A1] A projection television (10) has image projectors (14, 16, 18) and optics for projecting images of different colors, producing a quantity of scattered light that is incident upon at least a portion of a projection screen (22). The projection screen (22) includes a three-dimensional hologram (26) disposed on a substrate (24) and representing a three-dimensional interference array that receives images from the projectors (14, 16, 18) on a first side and displays the images on a second side with controlled light dispersion of all the displayed images. The screen (22) is specifically configured to exclude a high proportion of light that is incident from angles other than normal to the screen (22), substantially eliminating the effects of the scattered light and improving image contrast.

IPC 1-7

H04N 9/31; G03B 21/62; G02B 5/32

IPC 8 full level

G02B 5/32 (2006.01); **G03B 21/56** (2006.01); **G03B 21/62** (2006.01); **H04N 9/31** (2006.01)

CPC (source: EP KR)

G02B 5/32 (2013.01 - EP); **G03B 21/567** (2013.01 - EP); **G03B 21/62** (2013.01 - EP); **H04N 9/31** (2013.01 - EP KR)

Citation (search report)

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