

Title (en)  
TWIN SCREEN IMAGING SYSTEM

Title (de)  
BILDERZEUGUNGSSYSTEM MIT DOPPELSCHIRM

Title (fr)  
SYSTEME DE VISIONNEMENT BI-ECRAN

Publication  
**EP 0724744 A1 19960807 (EN)**

Application  
**EP 93906727 A 19930322**

Priority  
• GB 9300590 W 19930322  
• GB 9206048 A 19920320

Abstract (en)  
[origin: WO9319394A2] A three-dimensional imaging system comprises two image screens, for example, television monitor screens (40, 42), arranged perpendicular to one another. A beamsplitter (46), in this case a half-silvered mirror, is positioned between the two image screens (40 and 42) so as to direct both images to the same viewing location. A decoder screen (40a, 42a) is positioned between each decoder screen (40, 42) and the beamsplitter (46). Each decoder screen (40a, 42a) comprises a substrate onto which are secured, edge-to-edge, a plurality of elongate, parallel lenticular elements. The substrate is provided with a plurality of clean and opaque areas such that the decoder screen defines a plurality of alternating viewing positions at which the screen appears either wholly opaque or wholly clear. The two decoder screens (40a, 42a) are so arranged that the viewing positions at which one screen appears wholly opaque coincide with the positions at which the other decoder screen appears wholly clear. Then, when two images forming a stereoscopic pair are displayed on the two image screens (40, 42), a viewer positioned with one eye at each of two adjacent viewing positions defined by the decoder screens (40a, 42a) will see a three-dimensional image without the need for special glasses.

IPC 1-7  
**G02B 27/22**; **H04N 13/00**

IPC 8 full level  
**G02B 27/22** (2006.01); **H04N 13/349** (2018.01)

CPC (source: EP US)  
**G02B 30/27** (2020.01 - EP); **G02B 30/30** (2020.01 - EP); **H04N 13/305** (2018.04 - EP); **H04N 13/346** (2018.04 - EP); **H04N 13/349** (2018.04 - EP US); **H04N 13/363** (2018.04 - EP); **H04N 13/395** (2018.04 - EP)

Citation (search report)  
See references of WO 9319394A2

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9319394 A2 19930930**; **WO 9319394 A3 19931028**; AU 3762793 A 19931021; BR 9306129 A 19980113; CA 2132453 A1 19930930; EP 0724744 A1 19960807; GB 9206048 D0 19920506; JP H07504766 A 19950525; KR 950701083 A 19950220

DOCDB simple family (application)  
**GB 9300590 W 19930322**; AU 3762793 A 19930322; BR 9306129 A 19930322; CA 2132453 A 19930322; EP 93906727 A 19930322; GB 9206048 A 19920320; JP 51639093 A 19930322; KR 19940703267 A 19940917