

Title (en)
PROJECTION SCREEN APPARATUS

Title (de)
PROJEKTIONSSCHIRMVORRICHTUNG

Title (fr)
ECRAN DE PROJECTION

Publication
EP 1495363 A4 20080604 (EN)

Application
EP 03706049 A 20030220

Priority

- US 0303116 W 20030220
- US 12078502 A 20020412
- US 12213802 A 20020415

Abstract (en)
[origin: WO03087927A2] Screen apparatuses are provided which include a first lens or holographic optical element layer and a second mask layer. The first layer substantially collimates image light rays to impinge on the mask layer. The mask layer provides an array or matrix of projecting members. Each of the projecting members receives and focuses the substantially collimated light rays to corresponding focal points. The mask layer includes a mask that blocks light transmission except where openings are located. The openings allow the light focused through the focal joints to substantially pass through the mask to form an image. The screen apparatuses can be advantageously employed in display apparatuses.

IPC 1-7
G03B 21/56

IPC 8 full level
G03B 21/10 (2006.01); **G03B 21/62** (2006.01)

CPC (source: EP)
G03B 21/625 (2013.01)

Citation (search report)

- [X] US 4666248 A 19870519 - VAN DE VEN JOHANNES [NL]
- [X] US 2001001582 A1 20010524 - WALKER DALE S [US]
- [X] WO 0067071 A1 20001109 - SYNELEC SA [FR], et al
- See references of WO 03087927A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
WO 03087927 A2 20031023; WO 03087927 A3 20040624; AU 2003207812 A1 20031027; AU 2003207812 B2 20080207; CA 2481647 A1 20031023; EP 1495363 A2 20050112; EP 1495363 A4 20080604; JP 2005522736 A 20050728

DOCDB simple family (application)
US 0303116 W 20030220; AU 2003207812 A 20030220; CA 2481647 A 20030220; EP 03706049 A 20030220; JP 2003584810 A 20030220