

Title (en)
PROJECTION ARRANGEMENT

Title (de)
PROJEKTIONSANORDNUNG

Title (fr)
SYSTEME DE PROJECTION

Publication
EP 1410096 A2 20040421 (DE)

Application
EP 02754919 A 20020719

Priority
• DE 10135342 A 20010720
• EP 0208099 W 20020719

Abstract (en)
[origin: DE10135342C1] The invention relates to a projection arrangement, comprising a projector unit (1) and a projection surface (2), whereby, in order to generate an image on the projection surface (2), the projector unit (1) illuminates the above with a light beam (5) for each image point of the image for generation. The projection surface (2) is provided with a mirror (11) and a beam divergent device (12), which, when viewed in the direction of the light beam (5), incident on the mirror, has the mirror (11) first, whereby the mirror (11) reflects all the beams of light coming from the projector unit (1), passing through the beam divergent device (12) and incident on the mirror (11), in such a way that at least one light beam (6), emerging after passing through the beam divergent device (12), is generated from a main ray (25). Main rays (25) for emergent light beams (6), emitted from adjacent areas of the projection surface (2) in a first direction, converge in an imaginary observed field (9), lying on a plane and the convergence of each emergent light beam (6), caused by the beam divergent device (12), is fixed such that the emergent light beams (6) each diverge and, in the plane, illuminate only the observed field (9).

IPC 1-7
G02B 27/01

IPC 8 full level
B60K 35/00 (2006.01); **G02B 27/01** (2006.01); **G02B 27/18** (2006.01); **H04N 5/74** (2006.01); **G02B 27/00** (2006.01); **H04N 9/31** (2006.01)

CPC (source: EP)
B60K 35/00 (2013.01); **G02B 27/0101** (2013.01); **G03B 21/56** (2013.01); **H04N 5/74** (2013.01); **H04N 9/3129** (2013.01);
G02B 2027/0154 (2013.01); **H04N 5/7416** (2013.01)

Citation (search report)
See references of WO 03016982A2

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

DOCDB simple family (publication)
DE 10135342 C1 20021031; AU 2002321250 A1 20030303; EP 1410096 A2 20040421; JP 2005500567 A 20050106; JP 4159466 B2 20081001;
WO 03016982 A2 20030227; WO 03016982 A3 20031120

DOCDB simple family (application)
DE 10135342 A 20010720; AU 2002321250 A 20020719; EP 0208099 W 20020719; EP 02754919 A 20020719; JP 2003521429 A 20020719