

Title (en)
DESIGN OF PRISM ASSEMBLIES AND KERNEL CONFIGURATIONS FOR USE IN PROJECTION SYSTEMS

Title (de)
ENTWURF VON PRISMENBAUGRUPPEN UND KERNKONFIGURATIONEN ZUR VERWENDUNG IN PROJEKTIONS SYSTEMEN

Title (fr)
CONCEPTION D'ENSEMBLES PRISMES ET DE CONFIGURATIONS DE NOYAUX A UTILISER DANS DES SYSTEMES DE PROJECTION

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Application
EP 03703800 A 20030114

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- US 25122502 A 20020920
- US 25110402 A 20020920
- US 41860002 P 20021015
- US 34221903 A 20030113

Abstract (en)
[origin: WO03060566A2] Kernels are designed in different configurations based on design properties of an enclosure or other requirements. A prism assembly having various types of filters, waveplates, beam splitters (e.g., path length matched beam splitters) and/or other optical components are provided to selectively direct light beams to each of red, green, and blue microdisplays that manipulate the light and then combine the manipulated lights into an output image. The prism assembly includes an input face, an output face, and other faces on which the microdisplays are attached in a number of different configurations. Requirements and exact placement of optical components varies depending on which microdisplay is attached to which face. The components of the prism assembly may be arranged in path length matched positions.

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Citation (search report)

- [XY] US 2002001135 A1 20020103 - BERMAN ARTHUR L [US], et al
- [XY] JP H05232304 A 19930910 - MATSUSHITA ELECTRIC IND CO LTD
- See references of WO 03060566A2

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