

Title (en)
AN OPTICAL SYSTEM

Title (de)
EIN OPTISCHES SYSTEM

Title (fr)
SYSTEME OPTIQUE

Publication
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Application
EP 00966290 A 20001009

Priority
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Abstract (en)
[origin: WO0126930A1] An optical system for extending the field of view of an observer (0) through an opening (13), comprises a light diverting element or system mounted to or adjacent the opening (13) such that an image observed by an observer through the component is upright. The optical device comprises an optical component (14) positioned or positionable between the observer (0) and the opening and operable to divert by refraction light transmitted therethrough and to compensate for chromatic aberration introduced upon refraction such that light incident thereon from an angle which would not reach the observer can be diverted towards the observer without substantial degradation of the image thus viewed. Reflector only versions comprise a first reflector acting to reflect light incident thereon through the opening at an angle greater than a critical angle of incidence, and a second reflector acting to divert the light arriving from the first reflector towards the observer. Either or both reflectors may be of a type comprising a plurality of elemental reflectors in a stacked array.

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