

A LIGHT DISTRIBUTION SYSTEM

ABSTRACT

In a first aspect of the invention the light distribution system generally comprises a plurality of light converging elements, such as converging lenses, and a plurality of wavelength selective optical conduits, such as wavelength selective optical fibres, having wavelength-dependent transmission. In a second aspect, the light distribution system generally comprises a plurality of light converging elements, a plurality of optical conduits and a first frame including a first set of alignment holes for holding the plurality of light converging elements. The converging lenses and the optical fibres are so aligned that light that is converged or concentrated by the converging lenses is coupled into the optical fibres. Once received into the optical fibres, the converged light is transported in the optical fibres. The converged light may be transported to another end of the optical fibres and may leave the optical fibres for illumination purposes.

Figure 1