

ABSTRACT

MULTIFOCAL DIFFRACTIVE LENS

A multifocal diffractive lens is provided which achieves efficient use of light. The multifocal diffractive lens 100 includes a diffraction grating 1c. Negative-order light L2 produces a focal point f2 for far vision and 0-order light L1 produces a focal point f1 nearer to that for far vision. The number of focal points is two or more. The focal position fc for far vision in polychromatic performance evaluation is located nearer to the multifocal diffractive lens than the focal position fs for far vision in monochromatic performance evaluation.

Figures 2A and 2B.