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(54) Title: A DIFFRACTIVE OPTICAL ELEMENT AND A METHOD FOR PRODUCING SAME

## (57) Abstract

The invention provides a method for producing a diffractive optical element, including forming first and second gratings, substantially in mutual registration, of at least first and second optical materials, such that for predetermined two or more wavelengths, the diffractive optical element has desired phase retardations, thereby avoiding the generation of chromatic aberrations. The invention further provides a diffractive optical element.

