

Title (en)

Polarized headlamps and rear view mirrors

Title (de)

Polarisiertes Licht emittierende Scheinwerfer und Rückspiegel

Title (fr)

Projecteurs à lumière polarisée et rétroviseur

Publication

**EP 0930457 A2 19990721 (EN)**

Application

**EP 99100711 A 19990115**

Priority

US 772598 A 19980115

Abstract (en)

The present invention provides an apparatus including polarized headlamps (14) for a trailing vehicle (12) and polarized rear view mirrors (18) for a leading vehicle (16). Preferably, each headlamp (14) includes a body (22) having an illuminating element (24) disposed therein and a lens (36) secured to the body (22) such that the illuminating element (24) is enclosed therein. Similarly, each rear view mirror (18) includes a frame (32) and a lens (38) secured to the frame (32). The headlamp lens (38) is polarized in a first direction (25) to reduce the intensity of radiation (20) emitted therefrom. Further, the mirror lens (18) is polarized in a second direction (40), orthogonal to the first direction (25), to reduce the intensity of the reflected headlamp radiation (20') a second time. As such, the intensity of the observable reflected headlamp radiation (20') is greatly reduced while the intensity of reflected ambient light remains observably unaffected.

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