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(54) **COLOR CONTRAST ENHANCING SUNGLASS LENS**

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See application file for complete search history.

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(57) **ABSTRACT**

A color contrast enhancing sunglass lens includes a lens body and a multi-layer coating disposed on the lens body. The multi-layer coating includes a set of alternating layers formed of materials having different refractive indices and confines the transmission of visible light to a predetermined spectral profile having at least three high transmission bands that include blue, green and red bands and that have a maximum of spectral transmittance no less than 60%, three low transmission bands that include purple, cyan and yellow bands and that have a minimum of spectral transmittance no greater than 40%, and no spectral transmittance being less than 15% between 475 and 650 nm. The color contrast enhancing sunglass lens as disclosed meets the ANSI specification Z80.3-2009 section 4.6.3.3.

16 Claims, 6 Drawing Sheets