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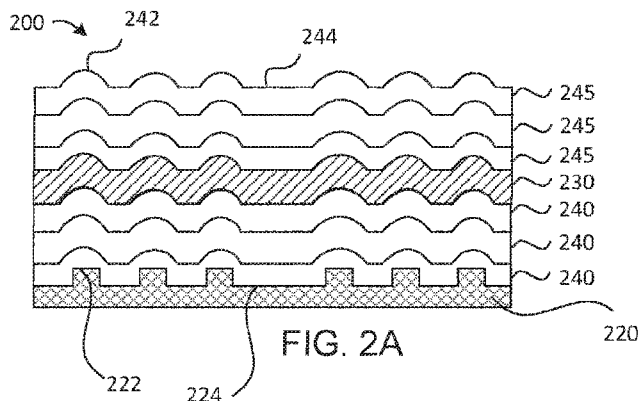
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**EP 3244240 A1 EP 2508922 A1**  
**WO 2003/095657 A2 JP 2012159589 A**  
**KR 101472929 B1 TW 200628089 A**  
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(54) Title of the Invention: **Structurally-colored articles and methods for making and using structurally-colored articles**  
 Abstract Title: **Structurally-colored articles and methods for making and using structurally-colored articles**

(57) As described above, one or more aspects of the present disclosure provide articles having achromatic structural color, and methods of making articles having achromatic structural color. The present disclosure provides for articles that exhibit achromatic structural colors upon exposure to white light (e.g., sunlight, artificial light, or a combination) through the use of an optical element, where achromatic structural colors are visible colors produced, at least in part, through optical effects (e.g., through scattering, refraction, reflection, interference, and/or diffraction of visible wavelengths of light). The optical element (e.g., a single-layer reflector or single-layer filter or a multilayer reflector or a multilayer filter; inorganic and/or organic material) can include a reflective layer(s) and/or a constituent layer(s). The colours produced are black, white, or grey. The colour label consists of a structured underlayer with a diffractive AR-layer, (220) a multilayer interference layer (240), and a top reflective layer (230).



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