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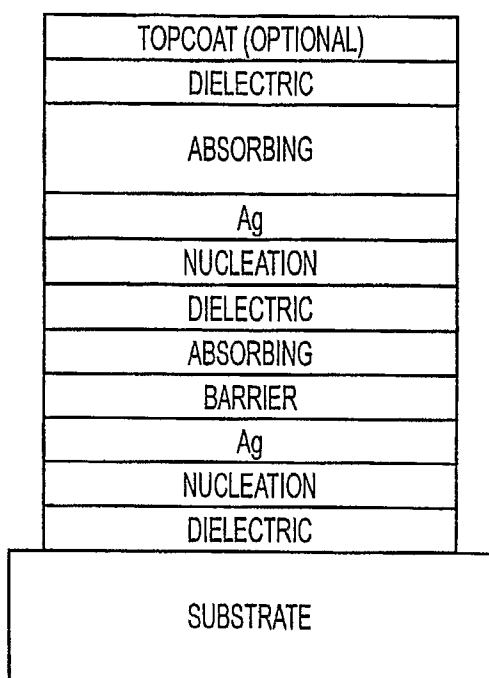
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(54) Title: LOW EMISSIVITY COATING WITH LOW SOLAR HEAT GAIN COEFFICIENT, ENHANCED CHEMICAL AND MECHANICAL PROPERTIES AND METHOD OF MAKING THE SAME



(57) Abstract: The invention provides low-emissivity stacks comprising at least one absorbing layer, said stacks being characterized by a low solar heat gain coefficient (SHGC), enhanced aesthetics, mechanical and chemical durability, and a tolerance for tempering or heat strengthening. The invention moreover provides low-emissivity coatings comprising, in order outward from the substrate a first dielectric layer; a first Ag layer; a first barrier layer; a first absorbing layer; a second dielectric layer; a second Ag layer; a second absorbing layer; a third dielectric layer; and optionally, a topcoat layer, and methods for depositing such coatings on substrates.

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