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(54) Title: BIRD FRIENDLY APPARATUS WITH UV SPECTRAL PATTERNS

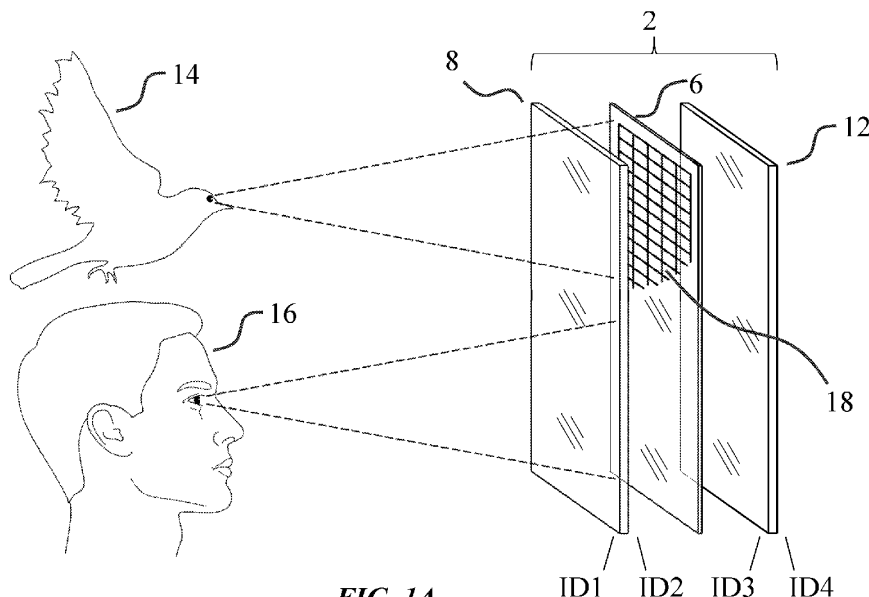


FIG. 1A

(57) Abstract: Bird-friendly glass in a window is configured to reduce the likelihood that a bird will fly into it. To that end, the glass preferably is a layered structure with an outside layer, an inside layer, and an interlayer between the inside and outside layers. Specifically, the interlayer may be adhered to the inner surface of the outside layer, and to the inner surface of the inside layer. To protect birds, the interlayer includes one or more ultraviolet absorbing coatings that produce spectral patterns under ultraviolet light (e.g., radiation) illumination. Ideally, the objective is to make glass visible to birds while still keeping it transparent enough for humans. Among other things, the ultraviolet absorbing coating(s) may include a luminophore for inclusion into luminescent solar concentrator (LSC) to generate photovoltaic power. The bird-friendly interlayer may serve dual purposes as a bird-friendly glass and as a power generator.

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