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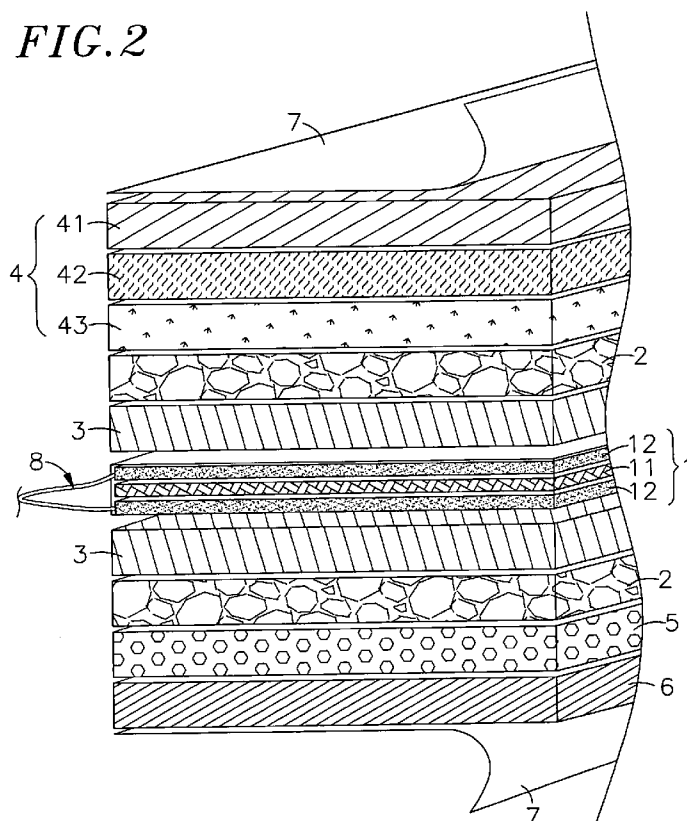
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(54) Title: LIGHT-REGULATION MEMBRANE

FIG. 2



(57) Abstract: A light-regulation mem-
brane includes a surface structure having
an anti-stain layer for surface cleanness, a
hard coating layer for surface protection,
and anti-reflective layer sandwiched
between the anti-stain layer and the hard
coating layer for reducing glare and
ultra-violet; an adhesion layer for directly
and repetitively adhering on transmissible
plate even after peeled-off; two polymer
compound layers sandwiched between the
hard coating layer and the adhesion layer;
and a PDLC (polymer dispersed liquid
crystal) film sandwiched between the two
polymer compound layers comprising two
conducting layers and a liquid crystal layer
sandwiched in-between the two conducting
layers. The two conducting layers can
be connected to an electric power source.
So, the transparency of the light-regulation
membrane can be regulated from opaque to
clear or reversely while the transmittance
of the PDLC film being adjusted by the
power, and then any light source passing
through the light-regulation membrane can
be controlled.



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