

Title (en)
VARIABLE LIGHT DIFFUSION SYSTEM COMPRISING A PDLC LAYER

Title (de)
VERÄNDERLICHES LICHTSTREUUNGSSYSTEM MIT EINER PDLC-SCHICHT

Title (fr)
SYSTÈME À DIFFUSION LUMINEUSE VARIABLE COMPRENANT UNE COUCHE PDLC

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Abstract (en)
[origin: WO2014068203A1] The invention concerns a variable light diffusion system switching between a transparent state and a translucent state comprising a PDLC layer located between two electrodes. The PDLC layer comprises a mixture of liquid crystals forming micro-droplets dispersed in a polymer matrix obtained from a photopolymerisable composition comprising vinyl compounds. The invention also concerns the use of a variable light diffusion system switching between a transparent state and a translucent state operating with a switching voltage lower than 30 Vrms.

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