Title (en)

OPTICALLY SWITCHABLE WINDOWS FOR SELECTIVELY IMPEDING PROPAGATION OF LIGHT FROM AN ARTIFICIAL SOURCE

Title (de)

OPTISCH SCHALTBARE FENSTER ZUR SELEKTIVEN VERHINDERUNG DER AUSBREITUNG VON LICHT AUS EINER KÜNSTLICHEN QUELLE

Title (fr)

FENÊTRES OPTIQUEMENT COMMUTABLES POUR EMPÊCHER SÉLECTIVEMENT LA PROPAGATION DE LUMIÈRE À PARTIR D'UNE SOURCE ARTIFICIELLE

Publication

EP 3803506 A2 20210414 (EN)

Application

EP 19734997 A 20190611

Priority

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- US 2019036571 W 20190611

Abstract (en)

[origin: WO2019241264A2] A tintable window is described having a tintable coating, e.g., an electrochromic device coating, for regulating or blocking light transmitted through the window. In some embodiments, the window can receive, transmit and/or regulate wireless communication that uses electromagnetic waves as a communication medium. In some cases, a window can receive or transmit infrared, visible, or ultraviolet wireless light fidelity (LiFi) signals. A window can be configured, in some cases selectively configured, for blocking radiation and/or signals generated by LiFi, radio frequency (RF), laser or other devices from passing through the window. Windows configured for blocking signals may be configured as a communication firewall between an interior environment and an exterior environment, or vice-versa. Networks of tintable windows can communicate via LiFi and provide a communications network through which other devices, such as personal computing devices, can be connected to the internet or a remote network.

IPC 8 full level

G02F 1/153 (2006.01); **E06B 3/67** (2006.01); **G05B 19/00** (2006.01); **H05K 9/00** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2019241264A2

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

US 2019036571 W 20190611; CA 3102958 A 20190611; CN 201980037999 A 20190611; EP 19734997 A 20190611; TW 108120142 A 20190611