

Title (en)

TECHNIQUES FOR STRENGTHENING GLASS COVERS FOR PORTABLE ELECTRONIC DEVICES

Title (de)

VERFAHREN ZUR STÄRKUNG VON GLASABDECKUNGEN FÜR TRAGBARE ELEKTRONISCHE VORRICHTUNGEN

Title (fr)

TECHNIQUES DESTINÉES À RENFORCER DES COUVERCLES DE VERRE POUR DISPOSITIFS ÉLECTRONIQUES PORTABLES

Publication

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Application

EP 10765710 A 20100930

Priority

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Abstract (en)

[origin: WO2011041484A1] Apparatus, systems and methods for improving strength of a thin glass cover for an electronic device are disclosed. In one embodiment, the glass member can have improved strength by chemical strengthening in a series of stages. The stages can, for example, have a first ion exchange stage where larger ions are exchanged into the glass cover, and a second ion exchange stage where some of the larger ions are exchanged out from the glass cover. Optionally, in one embodiment, the glass cover can improve its strength by forming its edges with a predetermined geometry. Advantageously, the glass cover can be not only thin but also adequately strong to limit susceptibility to damage. In one embodiment, the glass member can pertain to a glass cover for a housing for an electronic device. The glass cover can be provided over or integrated with a display, such as a Liquid Crystal Display (LCD) display.

IPC 8 full level

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Citation (search report)

See references of WO 2011041484A1

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