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(71) Applicant(s):

OHARA INC. [JP/JP]; 15-30, Oyama 1-Chome, Chuo-ku, Sagamihara-Shi Kanagawa 2525286 (JP) (for all designated states)

(72) Inventor(s):

YAGI Toshitaka; 15-30, Oyama 1-Chome, Chuo-ku, Sagamihara-Shi Kanagawa 2525286 (JP)

OGASAWARA Kohei; 15-30, Oyama 1-Chome, Chuo-ku, Sagamihara-Shi Kanagawa 2525286 (JP)

(54) Title (EN): CRYSTALLIZED GLASS SUBSTRATE

(54) Title (FR): SUBSTRAT DE VERRE CRISTALLISÉ

(54) Title (JA): 結晶化ガラス基板

(57) Abstract:

(EN): A crystallized glass substrate having a compressive stress layer on its surface, wherein where a depth at which the surface compressive stress of the compressive stress layer becomes 0 MPa is defined as a stress depth DOLzero, a gradient A of the surface compressive stress at a depth of 6 μm from the outermost surface in the compressive stress layer is 50.0-110.0 MPa/μm, a gradient B of the surface compressive stress from a depth of (the stress depth DOLzero - 10 μm) to the stress depth DOLzero is 2.5-15.0 MPa/μm, and a hardness at the indentation depth of the outermost surface of 20 nm is 7.50-9.50 GPa.

(FR): L'invention concerne un substrat de verre cristallisé présentant une couche de contrainte de compression sur sa surface, où, lorsqu'une profondeur à laquelle la contrainte de compression de surface de la couche de contrainte de compression devient 0 MPa est définie comme étant une profondeur de contrainte DOLzéro, un gradient A de la contrainte de compression de surface à une profondeur de 6 μm à partir de la surface la plus à l'extérieur dans la couche de contrainte de compression est de 50,0-110,0 MPa/μm, un gradient B de la contrainte de compression de surface à partir d'une profondeur de (la profondeur de contrainte DOLzéro - 10 μm) à la profondeur de contrainte DOLzéro est de 2,5-15,0 MPa/μm et une dureté à la profondeur d'indentation de la surface la plus à l'extérieur de 20 nm est de 7,50 à 9,50 GPa.

(JA): 表面に圧縮応力層を有する結晶化ガラス基板であって、前記圧縮応力層の表面圧縮応力が0 MPaとなるときの深さを応力深さDOLzeroとすると、前記圧縮応力層において、最表面から6 μmまでの深さの表面圧縮応力の勾配Aが50.0 ~ 110.0 MPa / μmであり、(前記応力深さDOLzero - 10 μm)の深さから前記応力深さDOLzeroまでの表面圧縮応力の勾配Bが2.5 ~ 15.0 MPa / μmであり、前記最表面の押し込み深さ20 nmの硬さが、7.50 ~ 9.50 GPaである結晶化ガラス基板。

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