

Title (en)
GLASS VESSEL

Title (de)
GLASBEHÄLTER

Title (fr)
RÉCIPIENT EN VERRE

Publication
EP 4208420 A1 20230712 (DE)

Application
EP 21762739 A 20210902

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Abstract (en)
[origin: WO2022049204A1] The invention relates to a glass vessel having at least one wall and manufactured from a base material which is an alkali-containing silicate glass. It is a feature of the glass vessel that at least a surface layer is enriched in potassium and depleted of sodium and/or lithium, while an inner layer, especially one directly adjoining the surface layer, is not enriched in potassium and not depleted of sodium and/or lithium, and that the glass vessel has compressive stress up to a compressive stress depth and tensile stress beyond the compressive stress depth, wherein the tensile stress rises with increasing depth up to a tensile stress maximum within the inner layer and/or wherein the progression of the tensile stress as a function of depth does not have a linear section and/or wherein the progression of the tensile stress as a function of depth does not have a section in which tensile stress is constant.

IPC 8 full level
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KH MA MD TN

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