

Title (en)

Component, in particular for household appliances, made of framed brittle material and related method of production

Title (de)

Vorrichtung, insbesondere für Haushaltgeräte, aus gerahmtem sprödem Material sowie deren Herstellungsverfahren.

Title (fr)

Dispositif, en particulier pour appareils ménagers, en matériau fragile encadré et son procédé de production.

Publication

**EP 2471995 A1 20120704 (EN)**

Application

**EP 11187619 A 20111103**

Priority

IT PN20100072 A 20101229

Abstract (en)

The present invention refers to a component (1, 101), made of brittle material, such as glass, glass ceramic and similar materials, provided with a frame of polymeric material over-injected on the edge of the glass, in particular for household appliances, such as laundry treatment machines, refrigerators, cooking hobs and similar devices. A component (1, 101) according to the invention includes a body (2, 102) of brittle material surrounded by a frame (3, 103) of polymeric material over-injected in a peripheral region (4, 104) of said body (2, 102), and means (7, 107), interposed between said frame (3, 103) and the body (2, 102), for absorbing the dimensional shrinkage of said polymeric material,. The component (1, 101) is characterized in that said frame (3, 103) includes one or more of first chambers (6, 106) provided to receive said shrinkage absorbing means (7, 107) and one or more of second chambers (8, 108) provided to absorb at least one part of the deformation of said shrinkage absorbing means (7, 107). The invention also refers to a method of manufacturing said component (1, 101).

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

- GB 2237293 A 19910501 - SVILUPPO SETTORI IMPIEGO SRL [IT]
- US 5944324 A 19990831 - SCHULTHEIS BERND [DE], et al

Citation (search report)

- [ID] US 5944324 A 19990831 - SCHULTHEIS BERND [DE], et al
- [AD] GB 2237293 A 19910501 - SVILUPPO SETTORI IMPIEGO SRL [IT]
- [A] US 6422673 B1 20020723 - BIENICK CRAIG [US]

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