

Title (en)

COMPONENT MADE OF A FLAT MATERIAL AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

BAUTEIL AUS EINEM FLACHMATERIAL UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

ÉLÉMENT STRUCTUREL CONSTITUÉ D'UN MATÉRIAU PLAT, ET SON PROCÉDÉ DE FABRICATION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008062263A1] The invention relates to a component (1) made of a flat material with a center surface (8) located between two main surfaces (7, 9) that are parallel to each other. The flat material is provided with a deformation structure (4), extending partially perpendicularly to the center surface (8) depending on the pressing operation. At least one, if necessary a plurality of the partial regions (5) of the flat material are provided with the deformation structure (4), whereas at least one surface region of the flat material remains non-deformed. The deformation structure (4) comprises a lattice of adjacent cells (5) extending transversely to the center surface (8), the cells being delimited by cell bending edges (14, 15) having different heights. Each cell (5) comprises recesses (10) that are delimited by the relatively higher (14) or lower cell flanges (15), wherein the lower cell bending edges (15) substantially extend at a maximum to the height of a main surface (7), while the higher cell bending edges (14) extend up to the height (11) and the recesses (10) extend up to the height (13). The pressure is preferably primarily applied via elastomeric active media, wherein for example a tool made of modular individual elements is used for structuring purposes.

IPC 8 full level

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Citation (examination)

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