

Title (en)
MOLD TOOL AND METHOD OF MANUFACTURE THEREOF

Title (de)
FORMWERKZEUG UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
OUTIL DE MOULE ET SON PROCÉDÉ DE FABRICATION

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Application
EP 18925782 A 20180713

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Abstract (en)
[origin: WO2020010600A1] A method of manufacturing a mold tool (82), the method including the steps of: a) providing a contiguous array (16) of a plurality of bodies (18) composed of a cellular material; b) selectively moving individual bodies of the array to a respective desired position to define a three-dimensional profile (28) formed by the array of bodies, the three-dimensional profile having a three-dimensionally shaped surface (30); c) applying a support layer (40) to the three-dimensionally shaped surface to form a unitary mold precursor (42) comprising the array of bodies attached together by the support layer; d) machining a surface (58) of the unitary mold precursor opposite to the support layer, the surface being composed of the array of bodies, to form a first smoothened surface (60) of the three-dimensional profile; and e) forming a molding surface (84) on the first smoothened surface. Also disclosed is a mold tool made by the method which can avoid the requirement to use a conventional plug.

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