

Title (en)

METHOD FOR SHAPING AN ESSENTIALLY FLAT-SURFACED BLANK TO FORM A SHELL BODY AND USE THEREOF

Title (de)

VERFAHREN ZUM UMFORMEN EINES IM WESENTLICHEN EBENFLÄCHIGEN ROHLINGS ZU EINEM SCHALENKÖRPER UND DESSEN VERWENDUNG

Title (fr)

PROCÉDÉ POUR FORMER UNE ÉBAUCHE SENSIBLEMENT PLANE POUR DONNER UN CORPS EN CUVETTE, ET SON UTILISATION

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Application

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Abstract (en)

[origin: WO2011124340A1] The invention relates to a method for shaping an essentially flat-surfaced blank (10) to form a shell body (34), comprising the following steps: forming at least one flat-surfaced, buckling-stable insert (12) which is adapted to form, dimension and deformation properties of the flat-surfaced blank (10); forming a blank (14) to be deformed and at least one buckling-stable insert (16, 16', 16'') to be deformed from the flat-surfaced blank (10, 10') and the at least one flat-surfaced buckling-stable insert (12, 12'); placing and clamping the blank (14) to be deformed and the at least one buckling-stable insert (16, 16', 16'') relative to one another and deforming the blank (14) together with the at least one buckling-stable insert (16, 16', 16'') to be deformed in order to form the shell body, using at least one forming tool (32) that acts upon the front or inner side (20) of the blank (14) to be deformed or the at least one insert (16) to be deformed which is provided as a support. The invention also relates to the use of said shell body (34) to produce rotationally symmetric and/or not rotationally symmetric shell-shaped components.

IPC 8 full level

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