

Title (en)

METHOD FOR OBTAINING BY CREEPING AT LEAST ONE STRUCTURE THAT APPROXIMATES A DESIRED STRUCTURE

Title (de)

VERFAHREN ZUR GEWINNUNG VON MINDESTENS EINER SICH AN EINE GEWÜNSCHTE STRUKTUR ANNÄHERNDEN STRUKTUR MITTELS KRIECHEN

Title (fr)

PROCÉDÉ D'OBTENTION PAR FLUAGE D'AU MOINS UNE STRUCTURE APPROXIMANT UNE STRUCTURE SOUHAITÉE

Publication

EP 3097048 A1 20161130 (FR)

Application

EP 15700594 A 20150119

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Abstract (en)

[origin: WO2015107202A1] The invention relates to a method for determining at least one creeping parameter that makes it possible to obtain a structure that approximates a desired structure (S1) by creeping of an initial structure (S2) that is different from the desired structure (S1), the initial structure (S2) being made up of at least one pattern formed in a heat-deformable layer arranged on a substrate, characterised in that the heat-deformable layer forms a residual layer which surrounds each pattern, from which each pattern extends such that each pattern has only one interface with the surrounding medium, and in that the method includes at least the following steps: a step of predicting (1104) the variation over time of the geometry of the initial structure (200) (S2) subjected to creeping, such as to obtain a plurality of geometries of predicted structures (S3) each associated with creeping parameters including at least one creeping time and one creeping temperature; a step of calculating (1105) correlation values of the geometry of each predicted structure (S3) relative to the desired structure (S1); a step of identifying (1106, 1108) creeping parameters that make it possible to obtain the predicted structure (S3) while offering the highest correlation value.

IPC 8 full level

B81C 1/00 (2006.01)

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See references of WO 2015107202A1

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