

Title (en)
METHOD AND SYSTEM FOR TENSIONING A HYPERSTATIC SYSTEM

Title (de)
VERFAHREN UND SYSTEM ZUR SPANNUNG EINES HYPERSTATISCHEN SYSTEMS

Title (fr)
PROCÉDÉ ET SYSTÈME DE MISE EN TENSION D'UN SYSTÈME HYPERSTATIQUE

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Abstract (en)
[origin: WO2021240089A1] The invention relates to a method and system for tensioning a hyperstatic system (1) comprising two structures connected to each other, the method comprising: a step a) consisting of connecting, by means of at least one non-adjustable tendon (6) and at least one adjustable tendon (8) which is formed by a tendon coupled to a cylinder (8a) in an initially retracted position, an upper structure (2) to a lower structure (4) which is positioned below the upper structure while maintaining zero tension in the tendons; a step b) consisting of applying a force to the upper structure and/or the lower structure in order to tension each adjustable tendon and to deploy the respective cylinder thereof, the tension of each non-adjustable tendon remaining at zero; and a step c) consisting of progressively increasing the force until the tension of each non-adjustable tendon reaches a threshold value which brings about a load transfer from the lower structure to the upper structure so as to allow the lower structure to be supported by the upper structure.

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