Title (en)
ANCHORING FOR PRE-TENSIONED AND/OR STRESSED TENSILE ELEMENTS

Title (de)
VERANKERUNG FÜR VORGESPANNTE UND/ODER BELASTETE ZUGELEMENTE

Title (fr)
ANCRAGE POUR ELEMENTS DE TRACTION PRECONTRAINTS ET/OU SOLLICITES

Publication
EP 1706555 B1 20080820 (DE)

Application
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Priority
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Abstract (en)
[origin: US2007221894A1] An anchorage (7) for at least one pre-tensioned or stressed tensile element (1), wherein the tensile force is transmittable to an anchor body (2) by means of one or several wedges (3), comprises a wedge-shaped layer (32) which has a modulus of elasticity that is lower compared to the other parts of the anchorage (7), whereby the greatest thickness of the wedge-shaped layer (32), measured normal to the longitudinal axis (4) of the tensile element (1), lies in the region (5) of the anchorage (7) which is near the load. In order to distribute contact pressures evenly across the clamping length of the tensile element (1), the wedge (3) and/or the anchor body (2) is/are formed at least by two wedge-shaped adjacent layers (31, 32), with at least one of the layers (32) being formed from a material having a lower modulus of elasticity than the material from which the further layer(s) of the wedge (3) and/or of the anchor body (2) is/are formed, and the greatest thickness of said layer (32) is provided in the region near the load. (FIG. 1)

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