Title (en)

ANCHORING OF FREE TRACTION STEEL ELEMENT OF A CONSTRUCTION PART SUBJECTED TO DYNAMIC STRENGTH

Publication

**EP 0153337 B2 19910925 (DE)**

Application

**EP 84902907 A 19840815**

Priority

CH 456783 A 19830822

Abstract (en)

[origin: WO8501080A1] The traction elements (4) of a steel stay-rod are anchored at their ends by means of clamping wedges (3) into drill holes (2) parallel to the anchoring body (1). The diameter (D) of each bore-hole (2) in its section (2c) is constant and larger than the diameter (d) of the traction element (4). There is provided in the anchoring body (1), where traction elements change direction, an elastic flexible ring (5) which absorbs diverting forces. Said ring (5) is housed into a circular recess (11) of the outlet wall (2b) of each bore-hole (2). In the direction change region of the spacing ring (9), where the traction elements form a bundle, there is provided a lining (10) of softer material than that of the spacing ring (9) or than that of the traction elements (4). In the same way, the material of the ring (5) is softer than that of the anchoring body (1) or than that of the traction elements (4). By means of those arrangements, the forces due to deviations of the traction elements (4) acting on the latter both at the first and the second direction change location are eliminated.

IPC 1-7

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