

Title (en)

Reversible, articulated mechanical coupling and relevant seat, for anchorages under tension.

Title (de)

Wendbare mechanische Gelenkverbindung mit entsprechendem Fundament für Verankerungen unter Zug.

Title (fr)

Dispositif mécanique réversible de connexion articulé et embase correspondante, pour ancrages sous tension.

Publication

**EP 0302546 A1 19890208 (EN)**

Application

**EP 88201523 A 19880715**

Priority

IT 8414887 A 19870807

Abstract (en)

Reversible, articulated mechanical coupling and relevant seat, for linking anchorages under tension to the foundation bases. The coupling is constituted by a hollow body (1) open at its top, on whose outer surface a set of teeth (2) protrude, which are positioned in a sunburst fashion; the body is closed at its bottom by a cylindrical appendix (3). The coupling is stably engaged inside the relevant seat by completely introducing the coupling inside the same seat, and then lifting it. During the insertion of the coupling, the teeth (2) slide in entry grooves (12,14) of the cylindrical shell, and are guided by these in such a way that, when the coupling is lifted, the same teeth enter blind-top grooves (13), inside which they remain engaged. The disengagement of the coupling from the seat takes place by first completely sinking the coupling inside the seat. The teeth are guided by the grooves (15) of the cylindrical shell in such a way that, when the coupling is lifted again, the same teeth enter the entry grooves (12), making it possible the coupling to be extracted from the seat.

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IPC 8 full level

**E21B 17/02** (2006.01); **B63B 21/50** (2006.01)

CPC (source: EP)

**B63B 21/502** (2013.01)

Citation (search report)

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- [A] FR 2577631 A3 19860822 - REXNORD INC [US]
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