

Title (en)  
Tensioning device for connecting tie rods

Title (de)  
Spannschloss zum Verbinden von Zugankern

Title (fr)  
Tendeur pour raccorder des tirants d'ancrage

Publication  
**EP 1055776 A3 20020529 (DE)**

Application  
**EP 00107809 A 20000412**

Priority  
DE 19924462 A 19990528

Abstract (en)  
[origin: EP1055776A2] The turnbuckle (1) is formed like a chain link. The tie rods (3) have external threads at the ends (6), and are tensioned vi nuts (5) inside the turnbuckle. The turnbuckle has slots (7) extending outwards, and the ends of the ties rods to be connected a inserted into the slots from outside. The ends have concave or convex support surfaces (4) for the nuts. Nuts or washers have congruent spherically convex contact faces.

IPC 1-7  
**E01B 3/40**

IPC 8 full level  
**E01B 3/40** (2006.01)

CPC (source: EP)  
**E01B 3/40** (2013.01)

Citation (search report)  
• [DA] EP 0516612 A1 19921202 - PORR ALLG BAUGES [AT]  
• [A] DE 742162 C 19431124 - SIEMENS AG

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1055776 A2 20001129; EP 1055776 A3 20020529; EP 1055776 B1 20050202**; AT E288516 T1 20050215; DE 19924462 C1 20010510; DE 50009393 D1 20050310

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