

Title (en)

TENSIONING DEVICE FOR PRE-STRESSING, POST-TENSIONING OR PROVIDING A CONFINING PRESSURE TO A STRUCTURE, METHOD FOR PRE-STRESSING A STRUCTURE, USE OF A ROLLER FOR PRE-STRESSING A STRUCTURE AND USE OF A ROLLER FOR RESTRESSING, DETENSIONING OR RELEASING A CONFINING PRESSURE FROM A STRUCTURE

Title (de)

SPANNVORRICHTUNG ZUM VORSPANNEN, NACHSPANNEN ODER EINGRENZEN VON DRUCK, VERFAHREN ZUM VORSPANNEN UND VORSPANNEN

Title (fr)

DISPOSITIF DE PRÉCONTRAINTÉ, POST-TENSION OU FOURNITURE D'UNE PRESSION DE CONFINEMENT À UNE STRUCTURE

Publication

**EP 4276260 A1 20231115 (EN)**

Application

**EP 23160345 A 20230307**

Priority

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Abstract (en)

The invention relates to a tensioning device 1 for pre-stressing, post-tensioning or providing a confining pressure to a structure 2, in particular a concrete structure 2. The tensioning device 1 comprises a sheet 3, in particular a steel sheet 3 and at least one roller 6 for tensioning the sheet 3. The sheet 3 is wrapped around the roller 6. The roller 6 is designed such that the sheet 3 is gripped and/or tensioned by a rotation of the roller 6. The invention also relates to a method for pre-stressing, post-tensioning or providing a confining pressure to a structure 2 using a tensioning device 1 and to the use of a roller 6 for pre-stressing, post-tensioning or providing a confining pressure to a structure as well as the use of a roller 6 for restressing, detensioning or releasing a confining pressure from a structure 2.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [XI] JP 2000248690 A 20000912 - FREYSSINET INT STUP
- [XI] WO 9943909 A1 19990902 - EMPA [CH], et al
- [XI] CN 205955228 U 20170215 - BEIJING CCCC QIAOYU SCI & TECH CO LTD
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