

Title (en)

Device for pre-tensioning reinforcement elements on structures

Title (de)

Vorrichtung zum Vorspannen von Verstärkungselementen an Bauwerken

Title (fr)

Dispositif de pré-tension d'éléments de renforcement sur des constructions

Publication

EP 2088259 B1 20111012 (DE)

Application

EP 09151200 A 20090123

Priority

CH 1772008 A 20080208

Abstract (en)

[origin: EP2088259A1] The method involves producing pre-tensioning between a building and a clamping shoe (1) attached at a reinforcement laminate-end by using a hydraulic cylinder-piston unit (9) that is utilized in a device for tensioning. Pre-tensioning is maintained by driving a set-screw between a tensioning device and the clamping shoe. The piston unit is removed under retention of the pre-tensioning held by the screw. The tensioning device and the shoe are removed from a building after hardening of an adhesive. The shoe is provided for clamping of the laminate-ends and a box-type metal body (3). An independent claim is also included for a device for pre-tensioning of reinforcement laminates at a building.

IPC 8 full level

E04G 23/02 (2006.01); **E01D 22/00** (2006.01)

CPC (source: EP)

E04G 23/0218 (2013.01); **E04G 2023/0255** (2013.01); **E04G 2023/0259** (2013.01); **E04G 2023/0262** (2013.01)

Cited by

EP4071321A1; CN106703433A; CN107859348A; CN112854801A; CN105064696A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2088259 A1 20090812; **EP 2088259 B1 20111012**; AT E528462 T1 20111015; CH 701655 B1 20110228; ES 2377266 T3 20120326; PL 2088259 T3 20120629; PT 2088259 E 20120112

DOCDB simple family (application)

EP 09151200 A 20090123; AT 09151200 T 20090123; CH 1772008 A 20080208; ES 09151200 T 20090123; PL 09151200 T 20090123; PT 09151200 T 20090123