

Title (en)

METHOD, FASTENING ELEMENT AND FASTENING ARRANGEMENT FOR ATTACHING AND ACTIVATING SHAPE MEMORY ALLOY ELEMENTS TO STRUCTURES TO BE REINFORCED

Title (de)

VERFAHREN, BEFESTIGUNGSELEMENT UND BEFESTIGUNGSANORDNUNG ZUR ANBRINGUNG UND AKTIVIERUNG VON FORMGEDÄCHTNISLEGIERUNGSELEMENTEN AN ZU BEWEHRENDEN BAUWERKEN

Title (fr)

PROCÉDÉ, ÉLÉMENT DE FIXATION ET ENSEMBLE DE FIXATION DESTINÉS AU MONTAGE ET À L'ACTIVATION D'ÉLÉMENTS EN ALLIAGE À MÉMOIRE DE FORME SUR DES OUVRAGES À ÉQUIPER D'UNE ARMATURE

Publication

**EP 3601703 A1 20200205 (DE)**

Application

**EP 18711836 A 20180301**

Priority

- DE 102017106114 A 20170322
- EP 2018055000 W 20180301

Abstract (en)

[origin: WO2018172032A1] The invention relates to a method, a fastening element and a fastening arrangement for fixing a shape memory alloy element (SMAE) (3) to a structure to be reinforced (3). One aim of the invention is to fasten the SMAE (3) robustly to the structure (2) to be reinforced and to subsequently activate same in the most simple way possible. To this end, according to the invention, the current that is needed to activate the SMAE (3) is to be introduced directly into at least one anchoring element (3) located on the SMAE and/or is to be introduced directly into a fastening element (7) located on the SMAE (3).

IPC 8 full level

**E04G 21/12** (2006.01); **C22C 38/00** (2006.01); **E04C 5/08** (2006.01); **E04G 23/02** (2006.01); **F16B 1/00** (2006.01); **F16B 11/00** (2006.01); **F16B 13/14** (2006.01); **F16B 31/04** (2006.01); **F16B 35/00** (2006.01); **F16B 43/00** (2006.01)

CPC (source: EP)

**E04G 21/12** (2013.01); **E04G 23/0218** (2013.01); **E04G 2023/0259** (2013.01); **F16B 2/005** (2013.01); **F16B 11/006** (2013.01); **F16B 13/141** (2013.01); **F16B 31/04** (2013.01); **F16B 35/005** (2013.01); **F16B 2200/77** (2023.08)

Citation (search report)

See references of WO 2018172032A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2018172032 A1 20180927**; DE 102017106114 A1 20180927; EP 3601703 A1 20200205

DOCDB simple family (application)

**EP 2018055000 W 20180301**; DE 102017106114 A 20170322; EP 18711836 A 20180301