

Title (en)

ANCHORING SYSTEM FOR A SUPPORT IN CONSTRUCTION, AND METHOD FOR USING SAME

Title (de)

VERANKERUNGSSYSTEM FÜR EINEN TRAGGRUND IM BAUWESEN, SOWIE VERFAHREN ZUR ANWENDUNG DESSELBEN

Title (fr)

SYSTÈME D'ANCRAGE DANS UN SUPPORT DANS LE DOMAINE DU BÂTIMENT, ET SON PROCÉDÉ D'UTILISATION

Publication

**EP 2885439 A1 20150624 (DE)**

Application

**EP 13758714 A 20130807**

Priority

- CH 13582012 A 20120814
- CH 2013000137 W 20130807

Abstract (en)

[origin: CA2882097A1] The anchoring system is suitable for rock and concrete (2) and any solid support. The anchor rod (4), which is made, for example, of a threaded rod made of a shape memory alloy (SMA), is held in the anchor bore (3) by means of a filling compound (5) as the anchoring medium. In order to fill the anchor bore (3) between the anchor rod (4) and the wall of the anchor bore (3), a heat-resistant filling compound (5) is used which consists of a two-component polymer compound or of polymer compound on a cementitious basis. The anchor rod (4) is then heated to its austenite phase by applying heat externally via its stub that protrudes from the filling compound, thus pre-stressing the anchor rod (4). The anchor rod (4) is subsequently cooled to the external temperature after the filling compound has cooled (5). An abutment plate (10) lies on the external wall (1) around the opening of the anchor bore (3), and is clamped with the anchor rod (4).

IPC 8 full level

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CPC (source: EP US)

**C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/40** (2013.01 - EP US); **E04B 1/4157** (2013.01 - US); **C21D 2201/01** (2013.01 - EP US)

Citation (search report)

See references of WO 2014026299A1

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