

Title (en)
APPARATUS FOR POSITIONING A TUNNEL CONSOLIDATION FRAME

Title (de)
VORRICHTUNG ZUR POSITIONIERUNG EINES TUNNELAUSBAURAHMENS

Title (fr)
APPAREIL POUR POSITIONNER UN CADRE DE SOUTÈNEMENT DANS UN TUNNEL

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Application
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Abstract (en)
The present invention relates to an apparatus (1) for positioning a centering (2) for supporting and consolidating an excavation (200). The apparatus comprising movable means (5) on which a supporting frame (6) is installed. The latter carries a first lifting arm (11) rotating about at least one main axis (101) defining a movement plane (501). The first arm comprises first gripping means (32) configured to grip a central element (2B) of said centering (2). First actuating means (71, 72, 73, 74) are installed to move the first arm (11) on the movement plane (501). According to the invention, the apparatus comprises a control and command unit (50) operatively connected to first sensor means (51) configured to provide a signal characteristic of the real topographic position of a central element of the centering. Such a unit controls said first actuating means according to the result of the comparison between the real topographic position occupied by said central element and a reference topographic position assigned to the central element itself in the design phase.

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[A] GB 2140847 A 19841205 - VOEST ALPINE AG

Cited by
CN109538252A; CN109139064A; CN108756957A; CN109869169A; CN108756927A; AU2018431356B2; CN109681245A; IT201800007585A1; CN109882214A; JPWO2021132608A1; JP2021017790A; WO2020021390A1; JP2019073880A

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