

Title (en)

SUPPORTING JOINT WITH TIE RODS OR STRUTS AND WITH SPHERICAL INSERTS, AND STRUCTURE USING IT

Title (de)

STÜTZVERBINDUNG MIT ZUGSTANGEN ODER STREBEN UND MIT KUGELFÖRMIGEN EINSÄTZEN UND STRUKTUR, DIE DIESE VERWENDET

Title (fr)

ARTICULATION DE SUPPORT AVEC TIRANTS OU ENTRETOISES ET AVEC INSERTS SPHÉRIQUES, ET STRUCTURE L'UTILISANT

Publication

**EP 3769641 A1 20210127 (EN)**

Application

**EP 20187727 A 20200724**

Priority

IT 201900012747 A 20190724

Abstract (en)

A supporting joint (10) incorporating tie rods or struts, in form of rods, with spherical inserts, allows a high positioning and use versatility, with great robustness, but with minimum overall dimensions and costs, and it comprises: a body with an interface for the connection to the ground, with a face (20) thereon said seats (14) are obtained defined by a spherical wall belonging to the body, and with an access opening (21); spherical inserts (16), each one housed inside a respective hollow seat (14), with a spherical shape and with two polar faces (18) opposed and parallel to each other, cutting the insert shape according to two parallel planes, by reducing the thickness thereof, the spherical insert (16) having an axial hole (19), with cylindrical shape; and one or more tubular rods (8) inserted in the axial hole (19) of a respective insert (16); wherein the access opening (21) is so that, at the cusp of the edge positioned on the face (20), it is slightly larger than the distance between the faces of the insert (16), so as to be able to insert it inside the cavity and, once rotated by 90 degrees, to face it towards outside to insert the relevant tubular rod.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- EP 2329740 A1 20110608 - SONG JOO HONG [KR]
- US 460791 A 18911006

Citation (search report)

- [A] US 7178535 B2 20070220 - EDER FRED [US]
- [A] EP 2329740 A1 20110608 - SONG JOO HONG [KR]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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