

Title (en)

An improved mechanism for the connection of a pipe to a node of a three-dimensional structure

Title (de)

Verbesserter Mechanismus zur Verbindung eines Rohrs mit einem Knoten einer dreidimensionalen Struktur

Title (fr)

Mécanisme amélioré pour la connexion d'un tuyau au noeud d'une structure tridimensionnelle

Publication

**EP 1997972 A2 20081203 (EN)**

Application

**EP 08386009 A 20080527**

Priority

GR 20070100661 A 20070529

Abstract (en)

An improved mechanism (12) for the connection of a pipe (9) to a node connector (1) of a three-dimensional structure includes: a bolt (8) with a pin (4); a sleeve (3) with a radial threaded hole (20) and two longitudinal grooves (14); a socket set screw (2) screwed through the radial threaded hole (20); a conical end (7) fixed to the pipe (9). The bolt (8) has a radial groove (18) between the pin (4) and the bolt head (19). The radial groove (18) and the radial threaded hole (20) have the same circumferential position; and the same longitudinal position exactly when the sleeve (3) and the bolt head (19) are in contact with the corresponding bearing surfaces (28,29) of the conical end (7). The problem of the confirmation, that the bolt (8) is completely screwed into the node connector (1), is solved; and the probability of encountering environmentally induced cracking in the bolt (8) is eliminated.

IPC 8 full level

**E04B 1/19** (2006.01)

CPC (source: EP GR)

**E04B 1/19** (2013.01 - EP); **E04B 1/1906** (2013.01 - GR); **E04B 1/1906** (2013.01 - EP); **E04B 2001/1927** (2013.01 - EP); **E04B 2001/196** (2013.01 - EP)

Citation (applicant)

- DE 901955 C 19540614 - MENGERINGHAUSEN MAX
- GR 1004166 B 20030226 - GKAMANIS GEORGIOS ACHILLEA
- EP 0557235 B1 19971105 - GAMANIS GEORGIOS [GR]

Cited by

CN110318470A; CN110318461A

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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