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 B1 20121226 (EN)

Application
EP 08386009 A 20080527

Priority
GR 20070100661 A 20070529

Abstract (en)
[origin: EP1997972A2] 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)
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