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

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.

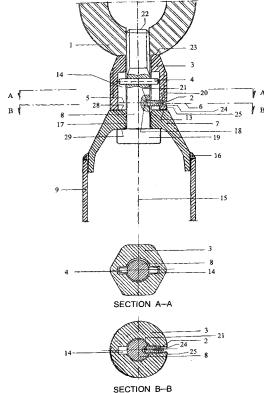


FIGURE 3



EUROPEAN SEARCH REPORT

Application Number EP 08 38 6009

Category	Citation of document with indication	on, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
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The Hague		8 June 2010	Por	Porwoll, Hubert	
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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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08-06-2010

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