

Title (en)  
METHOD FOR JOINING MEMBERS

Title (de)  
VERFAHREN ZUR VERBINDUNG VON ELEMENTEN

Title (fr)  
PROCÉDÉ D'ASSEMBLAGE D'ÉLÉMENTS

Publication  
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Application  
**EP 16746338 A 20160104**

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Abstract (en)  
In the present invention, a method for joining members involves preparing a steel component (10) having a bottom wall (11) in which a hole (15) is provided, and a hollow aluminum pipe (20). The aluminum pipe (20) is slipped through the hole (15) in the steel component (10) and passed through the bottom wall (11), rubber (30) is inserted into the interior of the aluminum pipe (20), and the rubber (30) is compressed in the direction of the axis (L) of the aluminum pipe (20) and induced to distend towards the outside from the inside. As a result of the foregoing, at least a section of the aluminum pipe (20) slipped through the hole (15) is induced to undergo expansion and is joined by clinching to the bottom wall (11). This method for joining members reduces the load on the members, improves the joint strength, and enables two members to be joined at reduced cost.

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