

Title (en)

DEFORMED ELEMENT PIPE FOR HYDRAULIC BULGING, HYDRAULIC BULGING DEVICE USING THE ELEMENT PIPE, HYDRAULIC BULGING METHOD USING THE ELEMENT PIPE, AND HYDRAULIC-BULGED PRODUCT

Title (de)

VERFORMTES ELEMENTROHR FÜR HYDRAULISCHES AUSBAUCHEN, DASELEMENTROHR VERWENDENDE HYDRAULISCHE AUSBAUCHVORRICHTUNG, DAS ELEMENTROHRVERWENDENDES HYDRAULISCHE AUSBAUCHVERFAHREN UND HYDRAULISCH AUSGEBAUCHTESPRODUKT

Title (fr)

TUYAU A ELEMENT DEFORME POUR GONFLEMENT HYDRAULIQUE, DISPOSITIF DE GONFLEMENT HYDRAULIQUE UTILISANT LE TUYAU A ELEMENT, PROCEDE DE GONFLEMENT HYDRAULIQUE UTILISANT LE TUYAU A ELEMENT, ET ARTICLE GONFLE PAR COMMANDE HYDRAULIQUE

Publication

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Application

**EP 03810679 A 20031110**

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Abstract (en)

A profile element pipe for hydraulic bulging of the present invention has a peripheral length with an outer diameter gradually increasing or decreasing from one axial side toward the other thereof and has a parallel part formed on at least one end thereof. According to a bulging device and a bulging method using this profile element pipe, for example, even when a profile steel pipe having a cross sectional shape varying in the axial direction as in a tapered pipe is hydraulically bulged, a bulging in which an internal pressure loading and an shaft pressing are combined with each other can be performed to provide a larger expansion ratio than a conventional case and a joining and socket connection thereof to the other part can also be easily performed. <IMAGE>

IPC 1-7

**B21D 26/02**

IPC 8 full level

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