

Title (en)

A METHOD FOR MANUFACTURING OF A TUBULAR ELEMENT COMPRISING A TUBE WITH A FIXEDLY ARRANGED FLANGE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES RÖHRENFÖRMIGEN ELEMENTS, DAS EIN ROHR MIT EINEM FEST ANGEORDNETEN FLANSCH UMFASST

Title (fr)

PROCEDE DE FABRICATION D'UN ELEMENT TUBULAIRE COMPORTANT UN TUBE MUNI D'UN FLASQUE DISPOSE DE FAÇON FIXE

Publication

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Application

EP 06824639 A 20061214

Priority

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- SE 0502768 A 20051215

Abstract (en)

[origin: WO2007070003A1] The present invention relates to a method for manufacturing a tubular element which comprises a tube (1') with a fixedly connected flange (2'). The tubular element is manufactured by means of a hydroforming process with such a high internal pressure in a tubular blank (1) that it expands plastically to a final tube (V) at the same time as the expansion of the tubular blank (1) widens an opening of the flange blank in an at least partly elastic manner such that a permanent state of tension is created in the final flange (2'), which state exerts a compressive force on the tube (V) in a connecting area (7) such that a fixed connection is accomplished between the flange (2') and the tube (V).

IPC 8 full level

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Citation (search report)

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- See also references of WO 2007070003A1

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