

Title (en)

PROCESS FOR PRESS FORMING METAL TUBES

Title (de)

VERFAHREN ZUM PRESSFORMEN VON METALLROHREN

Title (fr)

PROCEDE POUR LA FORMATION SOUS PRESSION DE TUBES METALLIQUES

Publication

**EP 1635983 A2 20060322 (EN)**

Application

**EP 04760918 A 20040507**

Priority

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Abstract (en)

[origin: WO2004101187A2] Sub-blanks having different thicknesses and/or different materials are joined together along a joint line or boundary line. The joint line can have an axial directional component and/or a radial directional component. The blank is formed into a U-shaped structure with two substantially parallel arms and the arms can be overbent toward each other by a distance that varies along the axial length of the U-shaped member. The U-shaped member can be subjected to a press forming operation to form a substantially tubular member. The substantially tubular member can have a non-circular cross-sectional shape. A step can be formed at the joint line as a result of different thickness sub-blanks. The step is placed in a press forming die facing outwardly so that the step is reduced during the press forming operation.

IPC 1-7

**B23P 11/00**

IPC 8 full level

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IPC 8 main group level

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CPC (source: EP KR)

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See references of WO 2004101187A2

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