

Title (en)
PIPE MATERIAL CORRECTION APPARATUS AND PIPE MATERIAL CORRECTION METHOD

Title (de)
RÖHRENMATERIALKORREKTURVORRICHTUNG UND RÖHRENMATERIALKORREKTURVERFAHREN

Title (fr)
APPAREIL DE CORRECTION DE MATIÈRE EN TUBE ET PROCÉDÉ DE CORRECTION DE MATIÈRE EN TUBE

Publication
EP 2695685 A4 20140827 (EN)

Application
EP 12768484 A 20120406

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• JP 2012084810 A 20120403
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Abstract (en)
[origin: EP2695685A1] The apparatus is used for reforming a pipe member by improving the roundness of an axial region which is at least a part of the pipe member in a direction of an axis of the pipe member, the apparatus includes: an anvil ring disposed outside the pipe member so that a circularly-formed inner circumference face of the anvil ring is opposed to an outer circumference face of the axial region; an inner roller disposed inside the pipe member so that an outer circumference face of the inner roller is in contact with an inner circumference face of the axial region; a pressing unit which applies a pressure contact force between the inner circumference face of the anvil ring and the outer circumference face of the pipe member, thereby causing plastic deformation at the axial region by using the inner circumference face of the anvil ring as a reforming face; and a rotation unit which rotates the pipe member with respect to the inner roller around the axis of the pipe member.

IPC 8 full level
B21D 3/14 (2006.01)

CPC (source: EP KR)
B21D 3/02 (2013.01 - EP KR); **B21D 3/14** (2013.01 - EP KR)

Citation (search report)
• [A] JP S58125617 U 19830826
• [A] JP 2004258027 A 20040916 - SHOWA DENKO KK
• [A] JP H08141643 A 19960604 - SUMITOMO METAL IND
• [A] JP H06344028 A 19941220 - SHOWA ALUMINUM CORP
• See references of WO 2012137924A1

Cited by
CN109420691A; CN105268780A; CN111589904A

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