

Title (en)

FORMING DEVICE AND METHOD FOR SUPPLYING AT LEAST ONE ROOT PROTECTION GAS

Title (de)

FORMIERVORRICHTUNG UND VERFAHREN ZUM ZUFÜHREN MINDESTENS EINES WURZELSCHUTZGASES

Title (fr)

DISPOSITIF DE FORMAGE ET PROCÉDÉ D'ALIMENTATION D'AU MOINS UN GAZ DE PROTECTION ENVERS

Publication

**EP 3768457 A1 20210127 (DE)**

Application

**EP 19704545 A 20190211**

Priority

- EP 18020102 A 20180319
- EP 2019025041 W 20190211

Abstract (en)

[origin: CA3093865A1] The invention relates to a forming device (200) for supplying at least one root protection gas to the root side of at least one region (11) of at least one pipe (10) to be connected, comprising at least one root protection gas supply device (220) for supplying the root protection gas and comprising at least one root protection gas conducting device (210) for conducting or deflecting the supplied root protection gas in an axial direction along the inner wall of the pipe (10) along the root side of the region (11) to be connected, wherein the root protection gas conducting device (210) has a cylindrical shape and can be inserted into the pipe (10) in a centered manner, and the root protection gas supply device (220) is arranged within the root protection gas conducting device (210). The invention additionally relates to a method for forming or supplying at least one root protection gas to the root side of at least one region (11) of at least one pipe (10) to be connected. The supplied root protection gas is guided, conducted, or deflected in the direction along the inner face of the pipe (10) along the root side of the region to be connected, and the root protection gas is additionally guided in the radial direction such that when the pipe region is connected to a pipe bend (12), the root protection gas is guided along the curvature of the pipe bend (12) in the axial direction.

IPC 8 full level

**B23K 9/32** (2006.01)

CPC (source: EP US)

**B23K 9/164** (2013.01 - US); **B23K 9/325** (2013.01 - US); **B23K 9/326** (2013.01 - EP); **B23K 20/14** (2013.01 - US)

Citation (search report)

See references of WO 2019179661A1

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Designated extension state (EPC)

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