

Title (en)

SYSTEMS AND METHODS FOR USE IN WELDING PIPE SEGMENTS OF A PIPELINE

Title (de)

SYSTEME UND VERFAHREN ZUR VERWENDUNG IN SCHWEISSROHRSEGMENTEN EINER ROHRLEITUNG

Title (fr)

SYSTÈMES ET PROCÉDÉS DESTINÉS À ÊTRE UTILISÉS LORS DU SOUDAGE DE SEGMENTS D'UNE CANALISATION

Publication

EP 3641974 A1 20200429 (EN)

Application

EP 17914653 A 20170718

Priority

- US 201715632061 A 20170623
- US 2017042612 W 20170718

Abstract (en)

[origin: WO2018236407A1] A system for welding two pipes includes a first pipe clamp, a second pipe clamp, a weld torch, an inspection detector, a motor, one or more processors, and a grinder. The weld torch is configured to create a weld joint between the pipes at an interface region between the pipes. The inspection detector is configured to emit an inspection beam of radiation. The motor is operatively associated with the inspection detector to direct the inspection beam of radiation along the weld joint between the pipes. The one or more processors are operatively associated with the inspection detector to determine a profile of the weld joint between the pipes. The grinder is configured to grind at least a portion of the weld joint between the pipes based on the profile of the weld joint between the pipes.

IPC 8 full level

B23K 9/028 (2006.01); **B23K 37/053** (2006.01)

CPC (source: CN EP RU)

B23K 9/028 (2013.01 - RU); **B23K 9/0286** (2013.01 - EP); **B23K 28/02** (2013.01 - EP); **B23K 31/125** (2013.01 - EP); **B23K 37/00** (2013.01 - CN); **B23K 37/0217** (2013.01 - EP); **B23K 37/0252** (2013.01 - CN); **B23K 37/027** (2013.01 - EP); **B23K 37/053** (2013.01 - RU); **B23K 37/0533** (2013.01 - CN EP); **B24B 37/02** (2013.01 - CN); **B23K 2101/06** (2018.07 - CN); **B23K 2101/10** (2018.07 - EP)

Cited by

CN111673367A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018236407 A1 20181227; AU 2017314295 A1 20190117; BR 112018006177 A2 20200121; CA 2995952 A1 20181223; CN 109429490 A 20190305; CN 115229427 A 20221025; EP 3641974 A1 20200429; EP 3641974 A4 20210331; MX 2018002790 A 20190404; RU 2018120317 A 20191203; RU 2018120317 A3 20201005; RU 2750760 C2 20210702; ZA 201800734 B 20210331; ZA 201903996 B 20210526

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US 2017042612 W 20170718; AU 2017314295 A 20170718; BR 112018006177 A 20170718; CA 2995952 A 20170718; CN 201780003163 A 20170718; CN 202210902303 A 20170718; EP 17914653 A 20170718; MX 2018002790 A 20170718; RU 2018120317 A 20170718; ZA 201800734 A 20180205; ZA 201903996 A 20190619