

Title (en)

FLEXIBLE LANCE FOR MACHINING OR INSPECTING A TUBESHEET OF A BOILER

Title (de)

FLEXIBLE LANZE ZUM BEARBEITEN ODER INSPIZIEREN EINES ROHRBODENS EINES DAMPFERZEUGERS

Title (fr)

LANCE FLEXIBLE POUR LE TRAITEMENT OU L'INSPECTION D'UN FOND TUBULAIRE D'UN GÉNÉRATEUR DE VAPEUR

Publication

EP 3368823 B1 20191113 (DE)

Application

EP 16788666 A 20161027

Priority

- DE 102015118615 A 20151030
- EP 2016075883 W 20161027

Abstract (en)

[origin: CA3003609A1] The invention relates to a flexible lance (2) for machining or inspecting a tubesheet of a boiler, having a first strip (4) made of a flexible, metallic material and a second strip (6) made of a flexible, metallic material, wherein the second strip (6) is arranged on the first strip (4) in the longitudinal direction (L), and wherein at least the second strip (6) has a shaped portion (8) extending in the longitudinal direction (L) for receiving a supply line (10) for a machining or inspection head (66) arranged at the free end (12) of the flexible lance (2), and wherein the first strip (4) is connected to the second strip (6) such that an open side of the shaped portion (8) is covered by the first strip (4) so as to form a guide channel (18), and wherein at least one edge region (20, 22) of the flexible lance (2), extending in the longitudinal direction (L), is formed only by the first strip (4) or the second strip (6).

IPC 8 full level

F22B 37/48 (2006.01); **F22B 37/00** (2006.01)

CPC (source: EP RU US)

F22B 37/005 (2013.01 - US); **F22B 37/483** (2013.01 - EP RU US); **F23J 1/04** (2013.01 - RU); **F22B 37/52** (2013.01 - US); **F22B 37/54** (2013.01 - US); **F28G 1/166** (2013.01 - US)

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

DOCDB simple family (publication)

DE 102015118615 B3 20160901; CA 3003609 A1 20170504; CA 3003609 C 20231031; CN 108351097 A 20180731; CN 108351097 B 20190924; EP 3368823 A1 20180905; EP 3368823 B1 20191113; ES 2772694 T3 20200708; RU 2018119982 A 20191205; RU 2018119982 A3 20200305; RU 2721154 C2 20200518; SI 3368823 T1 20200331; US 11060718 B2 20210713; US 2018347807 A1 20181206; WO 2017072209 A1 20170504

DOCDB simple family (application)

DE 102015118615 A 20151030; CA 3003609 A 20161027; CN 201680063654 A 20161027; EP 16788666 A 20161027; EP 2016075883 W 20161027; ES 16788666 T 20161027; RU 2018119982 A 20161027; SI 201630627 T 20161027; US 201615771860 A 20161027