

Title (en)

Method and device for aligning tubes on an expander

Title (de)

Verfahren und Vorrichtung zum Richten von Rohren auf einem Expander

Title (fr)

Procédé et dispositif d'alignement de tuyaux sur un dispositif d'élargissement

Publication

**EP 2177283 B1 20160413 (DE)**

Application

**EP 09011405 A 20090905**

Priority

- DE 102008051879 A 20081016
- DE 102008059108 A 20081126

Abstract (en)

[origin: EP2177283A2] The method involves expanding an expander tool (2) with a pipe (1) for flowing the material. The expander tool is placed on pipe by externally introduced directional forces (F1,F2,F3) in the form of straightening triangle. The directional forces are introduced in a level. An independent claim is included for a device for arranging pipes.

IPC 8 full level

**B21D 3/05** (2006.01); **B21D 3/14** (2006.01)

CPC (source: EP US)

**B21D 3/05** (2013.01 - EP US); **B21D 3/14** (2013.01 - EP US)

Cited by

CN107900150A; CN104226741A; US8789399B2

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**EP 2177283 A2 20100421**; **EP 2177283 A3 20120711**; **EP 2177283 B1 20160413**; **EP 2177283 B8 20160615**; DE 102008059108 A1 20100422; JP 2010094734 A 20100430; JP 5345031 B2 20131120; RU 2418645 C1 20110520; US 2010095736 A1 20100422; US 8474292 B2 20130702

DOCDB simple family (application)

**EP 09011405 A 20090905**; DE 102008059108 A 20081126; JP 2009211187 A 20090914; RU 2009138189 A 20091015; US 57775109 A 20091013