

Title (en)  
BENDING MACHINE FOR CREATING BENDS TO THE LEFT AND RIGHT

Title (de)  
BIEGEMASCHINE FÜR LINKE UND RECHTE BIEGUNGEN

Title (fr)  
CINTREUSE POUR CINTRAGES À GAUCHE ET À DROITE

Publication  
**EP 2569110 A1 20130320 (DE)**

Application  
**EP 11726050 A 20110426**

Priority  
• DE 102010020360 A 20100513  
• DE 2011000438 W 20110426

Abstract (en)  
[origin: CA2798350A1] A machine for bending tubes of large diameter in different bending directions, wherein, for bending, in this machine a tube (10) is guided in the axial direction through an inductive heating device (7) enclosing this tube in an annular manner, the tube (10) is secured by a bending lock (4) at the end (11) thereof intended to be bent, at least one bending arm (2), which is mounted rotatably about a vertical axis of rotation (8), is located at the part of the bending machine that is disposed in the advancing direction of the tube (10), the bending lock (4) is indirectly connected to the bending arm (2), the bending lock (4) has a force transmission device between the receiving device for tubes and the bending arm (2), the force transmission device is connected to the bending arm (2) such that it can be set so as to allow the distances between the centre axis of the receiving device for tubes and the vertical axis of rotation (8) to be chosen between the smallest distance and greatest distance, whereby a range between a greatest and a smallest bending radius (12) can be set, the machine has at least one further bending lock (5) with a further bending arm (3), a receiving device for tubes and a force transmission device for bending forces from the receiving device to the further bending arm (3), wherein the direction of rotation of the further bending arm (3) is opposed to the direction of rotation of the first bending arm (2), and each of the two bending arms (2, 3) can be moved parallel to one another and perpendicular to the advancing direction of the tubes to be bent.

IPC 8 full level  
**B21D 7/025** (2006.01); **B21D 7/16** (2006.01); **B21D 11/07** (2006.01)

CPC (source: EP US)  
**B21D 7/00** (2013.01 - US); **B21D 7/025** (2013.01 - EP US); **B21D 7/162** (2013.01 - EP US); **B21D 11/07** (2013.01 - EP US)

Citation (search report)  
See references of WO 2011141015A1

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 102010020360 A1 20111117**; **DE 102010020360 B4 20160616**; BR 112012029020 A2 20160802; CA 2798350 A1 20111117;  
CN 103037994 A 20130410; EP 2569110 A1 20130320; EP 2569110 B1 20140903; JP 2013526408 A 20130624; PL 2569110 T3 20150227;  
RU 2012153758 A 20140620; RU 2560889 C2 20150820; US 2014007639 A1 20140109; WO 2011141015 A1 20111117

DOCDB simple family (application)  
**DE 102010020360 A 20100513**; BR 112012029020 A 20110426; CA 2798350 A 20110426; CN 201180023639 A 20110426;  
DE 2011000438 W 20110426; EP 11726050 A 20110426; JP 2013509446 A 20110426; PL 11726050 T 20110426; RU 2012153758 A 20110426;  
US 201113697568 A 20110426