

Title (en)  
GUIDING AND SHAPING SYSTEM

Title (de)  
FÜHRUNGS- UND VERFORMUNGSSYSTEM

Title (fr)  
SYSTEME DE GUIDAGE ET DE DEFORMATION

Publication  
**EP 1879707 B1 20090422 (DE)**

Application  
**EP 06742332 A 20060511**

Priority  
• DE 2006000824 W 20060511  
• DE 102005022244 A 20050513

Abstract (en)  
[origin: US2009277879A1] A guiding and shaping system for producing welded pipes made from metallic strip material. The guiding and shaping system comprises several pairs of rolls that are disposed one behind another in the direction of travel of the workpiece and are used for increasingly cold-working and bending the edges of the workpiece as the workpiece advances. First pairs of rolls grip the top side and bottom side of the workpiece while pairs of rolls that grip the external faces of the bent edges and form the shape of a pipe are provided in the region where the bent edges form undercuts. The guiding and shaping system further comprises a welding device. The workpiece is supported by floatingly mounted lateral rolls until cooling off following the welding process.

IPC 8 full level  
**B21C 37/08** (2006.01)

CPC (source: EP US)  
**B21C 37/08** (2013.01 - EP US); **B21D 5/12** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2009277879 A1 20091112; US 8829384 B2 20140909**; AT E429294 T1 20090515; DE 102005022244 A1 20061116;  
DE 102005022244 B4 20070719; DE 112006002037 A5 20080430; DE 502006003541 D1 20090604; EP 1879707 A1 20080123;  
EP 1879707 B1 20090422; ES 2326191 T3 20091002; JP 2008540132 A 20081120; PL 1879707 T3 20091231; WO 2006119755 A1 20061116;  
WO 2006119755 A8 20070518

DOCDB simple family (application)  
**US 92031306 A 20060511**; AT 06742332 T 20060511; DE 102005022244 A 20050513; DE 112006002037 T 20060511;  
DE 2006000824 W 20060511; DE 502006003541 T 20060511; EP 06742332 A 20060511; ES 06742332 T 20060511;  
JP 2008510402 A 20060511; PL 06742332 T 20060511