

Title (en)

Device and method for manufacturing slot pipes made of sheet panels

Title (de)

Verfahren und Vorrichtung zum Herstellen von Schlitzrohren aus Blechtafeln

Title (fr)

Dispositif et procédé de fabrication de tuyaux fendus à partir de plaques de tôle

Publication

EP 2529849 B1 20210310 (DE)

Application

EP 12003900 A 20120518

Priority

DE 102011103734 A 20110531

Abstract (en)

[origin: EP2529849A2] The method involves supplying a sheet panel (3) to a pipe forming press (1) in which the sheet panel is molded to a slot pipe through application of bending force, where the slot pipe is provided with longitudinal edges. The slot pipe is manufactured with an irregular blank mold while a small molding of the sheet panel is carried out in a bending stage caused at an inner side of the sheet panel. The manufactured slot pipe is removed through application of pressing force in smaller areas formed in the center, where the pressing force acts outwardly on the blank mold. An independent claim is also included for a device for manufacturing cylindrical slot pipes from thick sheet panels.

IPC 8 full level

B21D 5/01 (2006.01); **B21C 37/08** (2006.01)

CPC (source: EP)

B21C 37/0815 (2013.01); **B21D 5/015** (2013.01)

Cited by

DE102018211311A1; US11097326B2; WO2020011772A1; CN112638558A; DE102018211311B4; RU2729480C1; EP3006129A4; EP3000542A4; DE102015210259A1; DE102015210259B4; CN108076631A; WO2016193395A1

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)

EP 2529849 A2 20121205; EP 2529849 A3 20170315; EP 2529849 B1 20210310; BR 102012012992 A2 20131105; BR 102012012992 B1 20210316; CN 102806245 A 20121205; CN 102806245 B 20160601; JP 2012250285 A 20121220; JP 6188282 B2 20170830; RU 2012122452 A 20131210; RU 2505370 C1 20140127

DOCDB simple family (application)

EP 12003900 A 20120518; BR 102012012992 A 20120530; CN 201210175367 A 20120531; JP 2012124628 A 20120531; RU 2012122452 A 20120530