

Title (en)

WINDING DEVICE, ROLLER SYSTEM HAVING A WINDING DEVICE AND RELATED METHOD

Title (de)

AUFWICKELVORRICHTUNG, WALZANLAGE MIT EINER AUFWICKELVORRICHTUNG UND ZUGEHÖRIGES VERFAHREN

Title (fr)

DISPOSITIF D'ENROULEMENT, INSTALLATION DE LAMINAGE AVEC UN DISPOSITIF D'ENROULEMENT ET PROCÉDÉ SPÉCIFIQUE

Publication

EP 2488313 A1 20120822 (DE)

Application

EP 10759864 A 20100924

Priority

- DE 102009045640 A 20091013
- EP 2010064111 W 20100924

Abstract (en)

[origin: WO2011045165A1] A winding device is known from the prior art with which a pipe produced in a roller system can be wound outside of the roller system. The pipe, which has already left the roller system, is then coiled or wound for transport in such a winding device. With respect to said prior art, the invention relates to a device and method enabling the finished, shaped pipe to be brought to a transportable state behind the roll stand while other sections of the pipe are in the loop stage or are just being shaped. The invention thus relates to a winding device (24) for a pipe (23) produced in a roller system having a bending unit (26) for curving the pipe, such that said pipe can be wound in a spiral shape around a first axis and a holding frame (25), wherein the bending device (24) is accommodated on the holding frame (25) in a pivoting manner around a second axis which is substantially perpendicular to the first axis. The invention also relates to a roller system having such a winding device and to a corresponding method.

IPC 8 full level

B21C 47/04 (2006.01); **B21B 21/00** (2006.01)

CPC (source: EP US)

B21C 47/04 (2013.01 - EP US); **B21B 23/00** (2013.01 - EP US); **B21B 2015/0057** (2013.01 - EP US)

Citation (search report)

See references of WO 2011045165A1

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 102009045640 A1 20110414; EP 2488313 A1 20120822; EP 2488313 B1 20130717; US 2012272706 A1 20121101; US 9233406 B2 20160112; WO 2011045165 A1 20110421

DOCDB simple family (application)

DE 102009045640 A 20091013; EP 10759864 A 20100924; EP 2010064111 W 20100924; US 201013499981 A 20100924