

Title (en)
REEL DEVICE WITH ASYMMETRIC COOLING OF THE REELED STRIP

Title (de)
HASPELEINRICHTUNG MIT ASYMMETRISCHER KÜHLUNG DES GEHASPELTEN BANDES

Title (fr)
DISPOSITIF DE BOBINEUSE DOTÉ D'UN REFROIDISSEMENT ASYMÉTRIQUE DE LA BANDE BOBINÉE

Publication
EP 3061535 B1 20190227 (DE)

Application
EP 15156829 A 20150227

Priority
EP 15156829 A 20150227

Abstract (en)
[origin: WO2016134801A1] A rolled metal strip, in particular steel strip, is deflected by means of a driving roller unit from a first transporting direction into a second transporting direction and is fed to a coiler. In the coiler, the metal strip is coiled into a coil with a coil diameter. A plastic deformation of an end portion of the metal strip is brought about, so that in the unloaded state the end portion is curved with a radius of curvature. The plastic deformation of the end portion (8) is at least partially brought about by an asymmetric application of a cooling medium (21) to the sides of the end portion (8).

IPC 8 full level
B21C 47/04 (2006.01); **B21B 45/02** (2006.01)

CPC (source: CN EP RU US)
B21C 47/04 (2013.01 - CN EP RU US); **B21C 47/26** (2013.01 - US); **B21C 47/3433** (2013.01 - US); **B21B 45/0218** (2013.01 - CN EP US)

Citation (examination)
WO 2011073016 A1 20110623 - SMS SIEMAG AG [DE], et al

Cited by
DE102017212529A1; DE102017202909A1; WO2018082943A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3061535 A1 20160831; **EP 3061535 B1 20190227**; CN 107249770 A 20171013; CN 107249770 B 20190816; EP 3261785 A1 20180103; JP 2018506435 A 20180308; JP 6768684 B2 20201014; RU 2017133418 A 20190327; RU 2017133418 A3 20190514; RU 2703753 C2 20191022; US 10737306 B2 20200811; US 2018029098 A1 20180201; WO 2016134801 A1 20160901

DOCDB simple family (application)
EP 15156829 A 20150227; CN 201580076977 A 20151216; EP 15813807 A 20151216; EP 2015079996 W 20151216; JP 2017545311 A 20151216; RU 2017133418 A 20151216; US 201515552869 A 20151216