

Title (en)
ROLLING DEVICE AND ROLLING METHOD

Title (de)
WALZVORRICHTUNG UND WALZVERFAHREN

Title (fr)
DISPOSITIF ET PROCÉDÉ DE LAMINAGE

Publication
EP 3117921 A1 20170118 (EN)

Application
EP 15761174 A 20150309

Priority
• JP 2014049208 A 20140312
• JP 2015001271 W 20150309

Abstract (en)
A rolling processing device and a rolling processing method are provided to be capable of producing annular members by rolling-forming three or more cylindrical members at the same time while reducing the possibility of breakage of a mandrel. For this purpose, a rolling processing device (1) includes a forming roll (10), a support roll (20), and a mandrel (30). Plural workpieces (4) are arranged on the mandrel (30) alternately in the radial direction of the mandrel (30). The rolling processing method includes an arranging process for arranging the workpieces (4) on the mandrel (30) and a rolling process.

IPC 8 full level
B21H 1/12 (2006.01)

CPC (source: EP US)
B21H 1/12 (2013.01 - EP US)

Cited by
CN108555197A

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3117921 A1 20170118; EP 3117921 A4 20170412; EP 3117921 B1 20180516; CN 105916610 A 20160831; CN 105916610 B 20180525; JP 6202193 B2 20170927; JP WO2015136911 A1 20170406; US 2016368041 A1 20161222; WO 2015136911 A1 20150917

DOCDB simple family (application)
EP 15761174 A 20150309; CN 201580004909 A 20150309; JP 2015001271 W 20150309; JP 2016507350 A 20150309; US 201515122231 A 20150309