

Title (en)
HIGH-SPEED WIRE ROD ROLLING APPARATUS AND METHOD

Title (de)
VORRICHTUNG UND VERFAHREN ZUR HOCHGESCHWINDIGKEITSAUFWICKLUNG VON WALZDRAHT

Title (fr)
APPAREIL ET PROCÉDÉ DE LAMINAGE DE FIL MACHINE À GRANDE VITESSE

Publication
EP 2580005 B1 20140514 (EN)

Application
EP 11738042 A 20110609

Priority
• IT MI20101035 A 20100609
• IB 2011052513 W 20110609

Abstract (en)
[origin: WO2011154914A2] A wire rod rolling plant constituted by three distinct, independent rolling units (10, 20, 30), wherein there are provided four rolling stands, arranged in oval-round- oval-round sequence, in the first two rolling units, and there are provided at least two rolling stands, in oval-round sequence, in the third rolling unit. One motor (12, 22) is provided in the first two rolling units (10, 20) for actuating the two round steps arranged in even positions and one motor (11, 21), independent from the first one, is provided for actuating the two oval steps arranged in odd positions. Two motors (31, 32), mutually independent, which actuate each rolling step respectively are provided in the third rolling unit.

IPC 8 full level
B21B 35/02 (2006.01)

CPC (source: EP US)
B21B 13/00 (2013.01 - US); **B21B 35/02** (2013.01 - EP US); **B21B 1/18** (2013.01 - EP US); **B21B 13/005** (2013.01 - EP US); **B21B 27/024** (2013.01 - EP US); **B21B 35/04** (2013.01 - EP US); **B21B 2267/24** (2013.01 - EP US)

Cited by
ITUA20162023A1; RU2734291C2; WO2017162849A1

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)
WO 2011154914 A2 20111215; WO 2011154914 A3 20120216; CN 102947017 A 20130227; CN 102947017 B 20160120; EP 2580005 A2 20130417; EP 2580005 B1 20140514; IT 1400496 B1 20130611; IT MI20101035 A1 20111210; US 2013086963 A1 20130411

DOCDB simple family (application)
IB 2011052513 W 20110609; CN 201180027872 A 20110609; EP 11738042 A 20110609; IT MI20101035 A 20100609; US 201113702296 A 20110609