

Title (en)
PINCH ROLL DEVICE

Title (de)
VORRICHTUNG FÜR TREIBWALZEN

Title (fr)
DISPOSITIF À ROULEAUX PINCEURS

Publication
EP 2729263 B1 20151118 (EN)

Application
EP 12748552 A 20120706

Priority
• IT MI20111274 A 20110708
• IB 2012053464 W 20120706

Abstract (en)
[origin: WO2013008159A2] A pinch roll device (1) for rolled metallurgic products comprises: - a first pinch roll and a second pinch roll (2, 3), a passage gap (5) being defined therebetween, the first and second rolls (2, 3) being rotatable about a first rotation axis and a second rotation axis (Y1, Y2), respectively, to draw a rolled metallurgic product (10) through the gap (5), - a hydraulic actuator (21, 41) comprising a hydraulic actuator (21, 42, 43) connected to the first roll (2) and/or the second roll (3) to reciprocally either approach or space apart the first and second rolls (2, 3), so as to either reduce or increase the width of the passage gap (5), respectively, - a pressure sensor (25) in the hydraulic circuit (20), - a position sensor (24) in the actuator (21), - a reversible pump (9) in the hydraulic circuit (20, 41) connected to the actuator (21, 42, 43) to slidingly move a piston (22) connected to the first roll (2) and/or to the second roll (3).

IPC 8 full level
B21B 39/00 (2006.01)

CPC (source: EP KR US)
B21B 37/62 (2013.01 - KR); **B21B 38/00** (2013.01 - KR); **B21B 39/00** (2013.01 - KR); **B21B 39/006** (2013.01 - EP US);
B21B 37/62 (2013.01 - EP US)

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 2013008159 A2 20130117; WO 2013008159 A3 20130314; CN 103702776 A 20140402; CN 103702776 B 20170215;
EP 2729263 A2 20140514; EP 2729263 B1 20151118; EP 2729263 B9 20160413; IT MI20111274 A1 20130109; JP 2014521514 A 20140828;
JP 5806400 B2 20151110; KR 20140032480 A 20140314; US 2014137617 A1 20140522

DOCDB simple family (application)
IB 2012053464 W 20120706; CN 201280033730 A 20120706; EP 12748552 A 20120706; IT MI20111274 A 20110708;
JP 2014518056 A 20120706; KR 20147001134 A 20120706; US 201214131388 A 20120706