

Title (en)
Tumble finishing machine and method for gap adjustment

Title (de)
GLEITSCHLIFFMASCHINE UND VERFAHREN ZUR SPALTEINSTELLUNG

Title (fr)
Machine de trovalisation et procédé de réglage de fente

Publication
EP 2781304 A3 20170517 (DE)

Application
EP 14160597 A 20140318

Priority
DE 102013204816 A 20130319

Abstract (en)
[origin: EP2781304A2] The method involves setting gap width of a ring gap (18) formed between a turntable (12) and a work container (10) by regulation. Air pressure arising in a region of the gap is measured on a pressure side, and the turntable and the container are moved toward one another. A relative position of the turntable and the container is defined as a reference value for the width of zero. A constant gap width is set based on the defined relative position for determining the gap width of zero. The gap width is indirectly measured through temperature in the region of the gap. An independent claim is also included for a sliding cross section machine comprising a work container.

IPC 8 full level
B24B 31/108 (2006.01); **B24B 31/12** (2006.01); **B24B 49/14** (2006.01)

CPC (source: EP US)
B24B 31/02 (2013.01 - US); **B24B 31/108** (2013.01 - EP US); **B24B 31/12** (2013.01 - EP US); **B24B 49/08** (2013.01 - EP US);
B24B 49/14 (2013.01 - EP US)

Citation (search report)
• [XY] DE 4138652 A1 19930527 - ROESLER GLEITSCHLIFFTECH MASCH [DE]
• [Y] DE 4311689 A1 19941013 - ROESLER ROLAND OBERFLAECHEN [DE]
• [AD] DE 3802542 C1 19890824

Cited by
CN104608041A

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 2781304 A2 20140924; EP 2781304 A3 20170517; EP 2781304 B1 20190220; DE 102013204816 A1 20140925; ES 2725600 T3 20190925;
PL 2781304 T3 20190830; US 2014287655 A1 20140925; US 2016375542 A1 20161229; US 9463549 B2 20161011; US 9782868 B2 20171010

DOCDB simple family (application)
EP 14160597 A 20140318; DE 102013204816 A 20130319; ES 14160597 T 20140318; PL 14160597 T 20140318;
US 201414219256 A 20140319; US 201615258112 A 20160907