

Title (en)
CENTRIFUGAL FORCE MACHINING APPARATUS

Publication
EP 0325799 B1 19920311 (DE)

Application
EP 88121846 A 19881229

Priority
DE 3802542 A 19880128

Abstract (en)
[origin: JPH01289655A] PURPOSE: To automatically measure the width of a gap and to keep it constant by providing a measuring device for measuring the width of the gap around the entire periphery of a container for accommodating workpieces and processing agents on a device for raising or lowering the casing of the container. CONSTITUTION: The dynamic pressure generated on a feed line 15 by a stationary flow is decreased as a gap 3 is expanded, and it is increased as the gap 3 is narrowed. The change of the dynamic pressure is measured by a pressure transducer 14 and is converted into an electric signal, and the electric signal is sent to an electric control device via an electric lead wire 18. A raising/ lowering device for a container casing 1 is electrically controlled by the control device, and the gap 3 around the entire periphery of a container is adjusted and is kept at the adjusted value.

IPC 1-7
B24B 31/108

IPC 8 full level
B24B 31/108 (2006.01)

CPC (source: EP US)
B24B 31/108 (2013.01 - EP US)

Citation (examination)
HYDRAULIC PNEUMATIC MECHANICAL POWER Band 27, Nr 323, November 1981, Seiten 508-511, Morden, Surrey, GB; R. ADAIR: "The design and application of pneumatic vibration isolators" * Seite 510, rechte Spalte, Zeile 8 - Seite 511; Figuren 2,6,8*

Cited by
CN103406826A; DE102004048896A1; DE102004048896B4; WO2016169101A1

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0325799 A2 19890802; EP 0325799 A3 19900314; EP 0325799 B1 19920311; CA 1325517 C 19931228; DE 3802542 C1 19890824; DE 3869115 D1 19920416; ES 2030841 T3 19921116; JP H01289655 A 19891121; US 4939871 A 19900710

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EP 88121846 A 19881229; CA 589590 A 19890130; DE 3802542 A 19880128; DE 3869115 T 19881229; ES 88121846 T 19881229; JP 1937089 A 19890127; US 30355189 A 19890127