

Title (en)

Asymmetrically accelerated vibrator for feeding materials.

Title (de)

Asymmetrisch beschleunigter Vibrator zur Materialförderung.

Title (fr)

Vibrateur accéléré asymétriquement pour le transport de matériaux.

Publication

EP 0231406 A2 19870812 (EN)

Application

EP 86100822 A 19860122

Priority

EP 86100822 A 19860122

Abstract (en)

An asymmetrical vibrator is provided, which is actuated by compressed air. The vibrator operates in a case (10), which has two bores (16, 20) disposed parallel on opposite sides of the casing. One of the bores is smaller than the second bore and the piston (14) operating in the small bore (16) is called the slow piston, since it is actuated with air to a relatively slow motion and the piston (18) operating in the second larger bore (20) is called the fast piston, since it moves at a larger speed when driven directly by the compressed air. The asymmetric vibration motion can be employed to transport materials upwardly in factories and assembly stations. The air operated asymmetric vibrators need low maintenance and do not entail the spark dangers caused by the presence of electrical wiring for electrical drive motors.

IPC 1-7

B06B 1/18

IPC 8 full level

B06B 1/18 (2006.01)

CPC (source: EP)

B06B 1/183 (2013.01)

Cited by

EP1661629A3

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

EP 0231406 A2 19870812; EP 0231406 A3 19880525; EP 0231406 B1 19940427; DE 3689822 D1 19940601; DE 3689822 T2 19941124

DOCDB simple family (application)

EP 86100822 A 19860122; DE 3689822 T 19860122