

## Title (en)

Method for reducing vibrations in a printing machine

## Title (de)

Verfahren zur Reduzierung von Vibrationen in einer Druckmaschine

## Title (fr)

Procédé pour réduire les vibrations dans une machine d'impression

## Publication

**EP 1211068 A2 20020605 (DE)**

## Application

**EP 01126459 A 20011109**

## Priority

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## Abstract (en)

Vibrations are reduced by determining the lateral position of the first contact roll (42) cooperating with a first plate cylinder (12), with respect to the second contact roll (52) cooperating with the second plate cylinder (22), and then the first plate cylinder is rotated relative to the second plate cylinder so that the lateral position of the first contact roll is changed relative to the second contact roll. The plate cylinders are recordably adjustable independently of each other, and the contact rolls oscillate sideways. Independent claims are also included for (a) a method for reducing vibrations in the same type of printing machine, where the desired lateral position for the first contact roll in relation to the second contact roll is determined independently of any printing machine vibrations, and the first plate cylinder is rotated relative to the second plate cylinder so that the desired lateral position for the first contact roll in relation to the second contact roll is achieved, and (b) a printing machine comprising at least one first contact roll which cooperates with a first plate cylinder, forms part of an inking station and moves sideways as the first plate cylinder rotates, a second plate cylinder adjustable relative to a recording device independently of the first plate cylinder, at least one second contact roll which cooperates with the second plate cylinder, forms part of another inking station or a moisturising station and moves sideways as the second plate cylinder rotates, at least one sensor (81, 82, 142, 144, 152, 154, 162, 172, 181, 182, 300) for determining the lateral position of the first contact roll and/or vibration of the printing machine or its frame, and a control device (80) for receiving signals from at least one sensor and rotating the first plate cylinder relative to the second plate cylinder, so that the phase of the first and second contact rolls is changed depending on the signals received.

## Abstract (de)

Ein Verfahren zur Reduzierung von Vibrationen in einer Druckmaschine (1), die einen ersten Plattenzylinder (12) und einen zweiten Plattenzylinder (22) aufweist, die unabhängig voneinander registereinstellbar sind, wobei der erste Plattenzylinder (12) mit mindestens einer seitlich oszillierenden ersten Reiberwalze (42) und der zweite Plattenzylinder (22) mit mindestens einer seitlich oszillierenden zweiten Reiberwalze (52) in Wirkverbindung steht, zeichnet sich durch die folgenden Verfahrensschritte aus: Bestimmung der lateralen Position der ersten Reiberwalze (42) bezüglich der zweiten Reiberwalze (52); und Drehen des ersten Plattenzylinders (12) bezüglich des zweiten Plattenzylinders (22) in der Weise, dass die laterale Position der ersten Reiberwalze (42) bezüglich der zweiten Reiberwalze (52) verändert wird. <IMAGE>

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