

Title (en)

METHOD FOR OPERATING A PRINTING PRESS

Title (de)

VERFAHREN ZUM BETREIBEN EINER DRUCKMASCHINE

Title (fr)

PROCÉDÉ D'EXPLOITATION D'UNE MACHINE À IMPRIMER

Publication

EP 2173556 A1 20100414 (DE)

Application

EP 08786459 A 20080725

Priority

- EP 2008059799 W 20080725
- DE 102007035476 A 20070726

Abstract (en)

[origin: WO2009013355A1] The invention relates to a method and an apparatus for operating a printing press having the following features: - the determination of the vibration behaviour of at least one impression cylinder (3) of the printing press, - the avoidance or suppression of undesirable vibrations such as resonant vibrations by measures in the range of the critical frequencies which trigger said vibrations. During operation of a printing press of this type, undesirable vibrations occur which cause quality impairments in relation to the printed image. It is therefore the problem of the present invention to reduce quality impairments of this type. The problem is solved by: - performing the targeted loading of the drive (2) of the at least one impression cylinder (3) of the printing press with an exciting signal of the power output (9), in order to cause vibrations of the impression cylinder (3), - performing the determination of critical frequencies in the resonant frequency spectrum of the at least one impression cylinder (3) in the printing press using the vibrations which are caused. A printing press and a data set for carrying out the above-described method are also claimed.

IPC 8 full level

B41F 13/004 (2006.01); **B41F 13/08** (2006.01); **B41F 33/00** (2006.01); **B41F 33/08** (2006.01); **B41F 33/16** (2006.01); **F16F 15/02** (2006.01)

CPC (source: EP US)

B41F 13/0045 (2013.01 - EP US); **B41F 13/085** (2013.01 - EP US); **B41F 33/0009** (2013.01 - EP US); **B41F 33/08** (2013.01 - EP US); **B41F 33/16** (2013.01 - EP US); **F16F 15/03** (2013.01 - EP US); **B41P 2213/42** (2013.01 - EP US)

Citation (search report)

See references of WO 2009013355A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102007035476 A1 20090129; EP 2173556 A1 20100414; US 2010126365 A1 20100527; US 8899153 B2 20141202; WO 2009013355 A1 20090129

DOCDB simple family (application)

DE 102007035476 A 20070726; EP 08786459 A 20080725; EP 2008059799 W 20080725; US 45286308 A 20080725