

Title (en)

Method and device for controlling driving of processing machine

Title (de)

Verfahren und Gerät zum Steuern des Antriebs einer Verarbeitungsmaschine

Title (fr)

Procédé et dispositif pour commander une machine

Publication

EP 2177358 A1 20100421 (EN)

Application

EP 09172537 A 20091008

Priority

JP 2008266159 A 20081015

Abstract (en)

This invention relates to a sheet-fed offset printing press including a gear (3) driven by an upstream drive motor (1A), a gear (2) rotationally driven by the upstream drive motor (1A) through the gear (3), an impression cylinder (23) of an upstream printing unit group (20A), and a transfer cylinder (24) of a downstream printing unit group (20B). The impression cylinder (23) is rotationally driven by the gear (2) and has a holding portion for holding a paper sheet W. The transfer cylinder (24) is rotationally driven by a downstream drive motor (1B) and has a holding portion for receiving the paper sheet W from the holding portion of the impression cylinder (23). The printing press further includes an impression-cylinder-side peripheral speed measuring device (6A) for measuring the peripheral speed of the impression cylinder (23) and a transfer-cylinder-side peripheral speed measuring device (6B) for measuring the peripheral speed of the transfer cylinder (24). The rotational phase difference between the impression and transfer cylinders (23, 24) is obtained from signals from the impression-cylinder-side and transfer-cylinder-side peripheral speed measuring devices (6A, 6B).

IPC 8 full level

B41F 13/00 (2006.01); **B41F 33/00** (2006.01)

CPC (source: EP US)

B41F 13/0045 (2013.01 - EP US); **B41F 33/0009** (2013.01 - EP US); **B41P 2213/72** (2013.01 - EP US); **B41P 2213/73** (2013.01 - EP US); **B41P 2213/734** (2013.01 - EP US)

Citation (applicant)

JP 2006305903 A 20061109 - KOMORI PRINTING MACH

Citation (search report)

- [X] DE 10327423 A1 20040205 - HEIDELBERGER DRUCKMASCH AG [DE]
- [X] EP 1155826 A2 20011121 - WIFAG MASCHF [CH]
- [X] US 4360354 A 19821123 - BISHOP THOMAS D
- [XD] EP 1717031 A2 20061102 - KOMORI PRINTING MACH [JP]

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2177358 A1 20100421; CN 101722721 A 20100609; JP 2010094858 A 20100430; US 2010090389 A1 20100415

DOCDB simple family (application)

EP 09172537 A 20091008; CN 200910178406 A 20090924; JP 2008266159 A 20081015; US 57890909 A 20091014