Title (en)
Drive for a multicolour sheet printing press

Title (de)
Antrieb für eine Mehrfarbenbogendruckmaschine

Title (fr)
Entraînement pour une machine à imprimer des feuilles en plusieurs couleurs

Publication
EP 0705689 B1 19971229 (DE)

Application
EP 95113346 A 19950825

Priority
DE 4435011 A 19940930

Abstract (en)
[origin: US5586499A] A method for eliminating gear train backlash in the drive of a sheet-fed printing machines when changing the printing mode of the machine between face printing and perfecting or vice versa is disclosed. The printing machine has a gear train, a longitudinal drive shaft, and a plurality of input drives connecting the drive shaft to the gear train. At least one separation device is provided in the gear train, and at least one clutch is provided in the drive shaft. Releasing both the clutch and the separation device disconnects the printing machine into decoupled regions. After the relative position of those regions are adjusted for the new printing format, the new relative position is fixed by engaging the separation device. The segments of the longitudinal drive shaft is then adjusted to apply a torque to the gear train to eliminate backlash in the drive. The positioning can optionally be performed by the main drive motor or a separate positioning drive connected to the drive shaft.

IPC 1-7
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IPC 8 full level
B41F 13/00 (2006.01); **B41F 13/012** (2006.01); **B41F 33/00** (2006.01); **B41F 33/16** (2006.01)

CPC (source: EP US)
B41F 13/012 (2013.01 - EP US)

Citation (examination)
- DD 258399 B5 19930624 - KBA PLANETA AG [DE]
- DE 3523471 C2 19950921 - KBA PLANETA AG [DE]
- DD 140225 A1 19800220 - BOETTGER JOHANNES, et al

Cited by
CN114518630A; WO2011061050A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI

DOCDB simple family (publication)
US 5586499 A 19961224; AT E161468 T1 19980115; DE 4435011 A1 19960404; DE 4435011 C2 19970430; DE 59501158 D1 19980205; EP 0705689 A1 19960410; EP 0705689 B1 19971229; EP 0705689 B2 20020109; JP 2740483 B2 19980415; JP H08309962 A 19961126

DOCDB simple family (application)
US 53693895 A 19950929; AT 95113346 T 19950825; DE 4435011 A 19940930; DE 59501158 T 19950825; EP 95113346 A 19950825; JP 24801195 A 19950926