Title (en)

DEVICE FOR DRIVING DRAW ROLLS OF A WEB-FED PRINTING PRESS

Publication

EP 0337241 B1 19930804 (DE)

Application

EP 89105839 A 19890404

Priority

DE 3812295 A 19880413

Abstract (en)

[origin: EP0337241A2] In a web-fed rotary printing press, having a longitudinal shaft (6) for driving the printing units and an apparatus for driving the draw rollers (1), a simple construction without direct mechanical connection of the draw rollers (1) to the longitudinal shaft (6) and still a high degree of drive accuracy can be achieved by the fact that the drive apparatus, assigned to each pair of draw rollers (1) comprises a main motor (3) and an auxiliary motor (4), each having a controlled speed and a differential gear (5) with two inputs and one output, the speed of the main motor (3) being controllable in dependence on the speed of the longitudinal shaft (6) and the speed of the auxiliary motor (4) being controllable in dependence on the speed of the longitudinal shaft (6) and of the drawing-in of the web to be printed. The auxiliary motor (4) is connected to a differential element (33) of the differential gear (5), due to which element a difference in speed between the input of the differential gear (5), connected to the main motor (3), and the output of the differential gear, connected to the pair of draw rollers (1), can be produced. <IMAGE>

IPC 1-7

B41F 13/00; B41F 13/02

IPC 8 full level

B41F 13/00 (2006.01); **B41F 13/004** (2006.01); **B41F 13/02** (2006.01); **B41F 33/06** (2006.01); **B65H 23/14** (2006.01); **B65H 23/188** (2006.01); **H02P 5/46** (2006.01)

CPC (source: EP US)

B41F 13/0045 (2013.01 - EP US); **B65H 23/1888** (2013.01 - EP US); B41P 2213/208 (2013.01 - EP US)

Citation (examination)

Regelungstechnik, Heft 6 (15. Jahrg. 1967), Seiten 269-273; TIROSHI, BEN URI, GAASH: "Digitale Drehzahl-Verhältnisregelung".

Cited by

GB2236983A

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

DE 3812295 C1 19890706; DE 58905092 D1 19930909; EP 0337241 A2 19891018; EP 0337241 A3 19900718; EP 0337241 B1 19930804; JP 2798414 B2 19980917; JP H01314170 A 19891219; US 4919049 A 19900424

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