Title (en)

PRINTING UNIT OF A PRINTING PRESS, COMPRISING AT LEAST TWO FRAME PARTS, THE POSITION OF WHICH RELATIVE TO ONE ANOTHER CAN BE CHANGED

Title (de)

DRUCKEINHEIT EINER DRUCKMASCHINE MIT MINDESTENS ZWEI RELATIV ZUEINANDER POSITIONSVERÄNDERBAREN GESTELLTEILEN

Title (fr)

UNITÉ D'IMPRESSION D'UNE PRESSE COMPRENANT AU MOINS DEUX PARTIES DE BÂTI DONT LA POSITION RELATIVE PEUT ÊTRE MODIFIÉE

Publication

EP 2323851 B1 20131002 (DE)

Application

EP 09781931 A 20090818

Priority

- EP 2009060646 W 20090818
- DE 102008041842 A 20080905

Abstract (en)

[origin: WO2010026040A1] The invention relates to a printing unit of a printing press, comprising at least two frame parts, the position of which relative to one another can be changed. Cooperating frame parts (13; 14) are placed against each other at a common joining surface (16) in a first operational position while being separated from each other in a second operational position. An interstice (17) that is partially delimited by said frame parts (13; 14) is formed between separated frame parts (13; 14) in the printing unit (01). At least one (14) of the cooperating frame parts (13; 14) is arranged in such a way as to be movable along an adjustment path (S). At least one sensor (31) is provided which monitors the interstice (17) and has orientation characteristics (32) effective along the joining surface (16) or a sensing range (37) effective along the joining surface (16). Furthermore, a control unit (28) is provided which is connected to the sensor (31), and at least one first drive unit (23) is provided which is assigned to at least one of the cooperating frame parts (13; 14) in order to change said frame part (13; 14) from one operational position into the other. A control element (29) that is arranged in a conduit system (19) for supplying power to the first drive unit (23) is controlled by the control unit (28) in accordance with a signal that is supplied by the sensor (31) monitoring the interstice (17). The control element (29) is additionally arranged for actuating the first drive unit (23) and is controlled independently from the actuation of the first drive unit (23). A functional position of the control element (29) blocks a relative movement between the frame parts (13; 14), said functional position being selected by the control unit (28).

IPC 8 full level

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

CPC (source: EP US)

B41F 13/0024 (2013.01 - EP US); **B41F 33/0018** (2013.01 - EP US)

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)

DE 102008041842 A1 20100311; **DE 102008041842 B4 20120322**; CN 102143845 A 20110803; CN 102143845 B 20120912; EP 2323851 A1 20110525; EP 2323851 B1 20131002; JP 2012501871 A 20120126; JP 4892115 B2 20120307; US 2011162544 A1 20110707; US 8225716 B2 20120724; WO 2010026040 A1 20100311

DOCDB simple family (application)

DE 102008041842 A 20080905; CN 200980134718 A 20090818; EP 09781931 A 20090818; EP 2009060646 W 20090818; JP 2011525497 A 20090818; US 73797209 A 20090818