

Title (en)

Method and device for controlling the automatic plate exchange process in printing machines

Title (de)

Verfahren und Vorrichtung zum Steuern eines automatisierten Druckplattenwechsellvorganges bei Druckmaschinen

Title (fr)

Procédé et dispositif de commande du changement automatique de plaques dans les machines d'impression

Publication

**EP 0653301 B1 19970102 (DE)**

Application

**EP 94116680 A 19941022**

Priority

DE 4338664 A 19931112

Abstract (en)

[origin: EP0653301A1] The invention describes a method and a device for controlling an automatic plate exchange process in a sheet-fed offset printing machine, in which a used printing plate is removed from the gripping region of a clamping rail assigned to the leading edge of the plate cylinder and a new printing plate is then introduced into the opened gripping region, fixing of the in-register position of the newly introduced printing plate taking place before the gripping region is closed (clamped). This method is to be designed in such a way as to result in increased safety and reliability in the course of the plate exchange process. Before it is established whether the newly introduced printing plate lies in register in the gripping region of the clamping rail, it is checked whether the used printing plate has been removed from the gripping region, for which it is established whether the used printing plate is not in an in-register position with its leading edge. <IMAGE>

IPC 1-7

**B41F 27/12**; **B41F 33/00**

IPC 8 full level

**B41F 27/12** (2006.01); **B41F 33/00** (2006.01); **B41F 33/14** (2006.01)

CPC (source: EP US)

**B41F 27/1206** (2013.01 - EP US); **B41F 33/00** (2013.01 - EP US); **Y10S 101/36** (2013.01 - EP)

Cited by

DE19803723A1; EP1086812A3; US5992325A; EP2431808A3; DE19803725A1; US6135027A; EP0730955A1; US5649487A; US6571708B1; US6463853B1; US8459182B2; US8397636B2; US8635953B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

**EP 0653301 A1 19950517**; **EP 0653301 B1 19970102**; AT E147011 T1 19970115; DE 4338664 A1 19950518; DE 4338664 C2 19950914; DE 59401466 D1 19970213; JP 2948114 B2 19990913; JP H07186370 A 19950725; US 5479859 A 19960102

DOCDB simple family (application)

**EP 94116680 A 19941022**; AT 94116680 T 19941022; DE 4338664 A 19931112; DE 59401466 T 19941022; JP 27662794 A 19941110; US 33890894 A 19941114