Title (en)

SAFETY DEVICE FOR ROTARY PRINTING MACHINES

Publication

EP 0182080 B1 19900314 (DE)

Application

EP 85112949 A 19851011

Priority

DE 3441963 A 19841116

Abstract (en)

[origin: US4669380A] A safety device has pivotally mounted rails for guarding impression cylinder nips in a sheet-fed rotary printing press. The guard rails are pivoted from a guard or safety position during maintenance to a second position away from the impression cylinder during printing to insure that the printed sheets are not smeared by the edges of the guard rails. The guard rails, however, also sense operator contact during maintenance to cause the inching drive of the press to shut off immediately. A hinged access cover or door on the press shields the impression cylinder and cooperating cylinder during printing, and is opened to perform maintenance. Opening of the access cover operates an electrical switch for shutting off the main drive of the press, and the access cover is mechanically connected to the guard rails by a resilient linkage which in turn causes pivoting of the guard rails toward their safety positions. A second electrical switch is operated by the pivoting of the guard rails and shuts off the inching drive in response to operator contact and pivoting of the guard rails in either direction from their safety positions. The resilient linkage also includes abutments limiting the range of pivoting due to operator contact.

IPC 1-7

B41F 33/00

IPC 8 full level

B41F 13/42 (2006.01); **B41F 33/00** (2006.01)

CPC (source: EP US)

B41F 33/0018 (2013.01 - EP US)

Cited by

FR2692836A1; EP0726145A1; DE19507992C1; EP0730958A3; DE19609016A1; FR2745748A1; DE19609016C2

Designated contracting state (EPC)

AT CH FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0182080 A2 19860528; **EP 0182080 A3 19870930**; **EP 0182080 B1 19900314**; AT E50944 T1 19900315; DE 3441963 A1 19860528; DE 3441963 C2 19870122; JP H0467505 B2 19921028; JP S61179746 A 19860812; US 4669380 A 19870602

DOCDB simple family (application)

EP 85112949 A 19851011; AT 85112949 T 19851011; DE 3441963 A 19841116; JP 25391585 A 19851114; US 79874885 A 19851115