

Title (en)  
Control device for rotary printing machines.

Title (de)  
Einrichtung zum Steuern von Rotationsdruckmaschinen.

Title (fr)  
Dispositif de commande de rotatives d'impression.

Publication  
**EP 0243811 A2 19871104 (DE)**

Application  
**EP 87105648 A 19870416**

Priority  
DE 3614744 A 19860430

Abstract (en)  
[origin: US4812842A] A wireless control device for a large printing machine includes at least one portable hand unit having a transmitter, and a plurality of push buttons for selecting a desired command to be sent to one of a plurality of electronic control units associated with the printing machine. The commands are transmitted, by electromagnetic radiation, such as infrared waves, or by ultrasonic waves, to receiving and decoding units that are connected to each of the control units. To insure that the control units are not inadvertently actuated, signal verification circuiting can be provided. This circuitry enables a signal received by one of the receiving and decoding units to be retransmitted back to the hand unit, where it is compared with the original signal in the transmitter, to insure that the two coincide. A speech analysis system can be employed with the device to enable commands to be entered verbally.

Abstract (de)  
Bei einer Einrichtung zum Steuern einer Druckmaschine, werden die Steuerbefehle drahtlos mittels eines Bedienungselementes mit Sender an eine elektrische Maschinensteuerung über einen Empfänger und Decoder zugeführt. Die Signalübermittlung erfolgt dabei wahlweise über elektromagnetische Wellen, Infrarotstrahlung bzw. Lichtstrahlung anderer Wellenlänge oder Ultraschall. Dabei tragen Lichtzwischenverstärker und Pulsmodulation zur Erhöhung der Übertragungssicherheit bei.

IPC 1-7  
**B41F 33/00**

IPC 8 full level  
**H04Q 9/00** (2006.01); **B41F 33/00** (2006.01)

CPC (source: EP US)  
**B41F 33/00** (2013.01 - EP US); **B41F 33/02** (2013.01 - EP); **Y10S 101/47** (2013.01 - EP US)

Cited by  
EP2090437A3; GB2217544A; EP1616697A3; FR2800007A1; EP1815986A3; DE102021107984A1; WO2009127465A1; WO2008028738A1; WO2005007408A3; EP2660672A2; US7549372B2

Designated contracting state (EPC)  
CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0243811 A2 19871104**; **EP 0243811 A3 19890809**; **EP 0243811 B1 19921209**; DE 3614744 A1 19871105; DE 3614744 C2 19941110; DE 3782965 D1 19930121; JP S62268646 A 19871121; US 4812842 A 19890314

DOCDB simple family (application)  
**EP 87105648 A 19870416**; DE 3614744 A 19860430; DE 3782965 T 19870416; JP 10489887 A 19870430; US 4351487 A 19870428