

Title (en)

Method for the diagnosis of a rotary printing press

Title (de)

Verfahren zur Diagnose einer Rotationsdruckmaschine

Title (fr)

Procédé de diagnose pour une machine rotative

Publication

**EP 1110730 A3 20010822 (DE)**

Application

**EP 00128645 A 19970904**

Priority

- DE 19636987 A 19960912
- EP 97115305 A 19970904

Abstract (en)

[origin: EP0829352A2] A performance monitor/diagnostic system for a four colour rotary printing press enables the presence of damage or wear to the various rotating components to be detected. Each printing unit (2) has a bridge assembly of paired rolls symmetric to the track (1) comprising the rubber cylinders (4), plate cylinders (6) and the respective colour and humidity mechanisms (7,8). The cylinders (4,6) are mechanically coupled and their dynamic relationships are monitored via optically marked discs on the cylinders (4) scanned by the opto-electronic transducers (18,19,21,22) for evaluation (2) and comparison (34) with stored norms comprising previously established characteristic frequency spectrum.

IPC 1-7

**B41F 13/004**; **B41F 33/00**

IPC 8 full level

**B41F 33/00** (2006.01); **B41F 13/004** (2006.01); **B41F 13/04** (2006.01); **B41F 33/02** (2006.01); **B41F 33/14** (2006.01)

CPC (source: EP US)

**B41F 13/04** (2013.01 - EP US); **B41F 33/02** (2013.01 - EP US)

Citation (search report)

- [YD] DE 4136785 A1 19930513 - KBA PLANETA AG [DE]
- [AD] DE 4137979 A1 19930527 - HEIDELBERGER DRUCKMASCH AG [DE]
- [Y] DE 19505692 A1 19960822 - ROLAND MAN DRUCKMASCH [DE]
- [A] FR 2105663 A5 19720428 - CHAMBON AUTOMATION
- [A] DE 3707866 A1 19871001 - BOBST SA [CH]
- [AD] PROF. DR. SC. TECHN. RUDOLF RUDER ET AL.: "Erhöhung der Zuverlässigkeit polygraphischer Maschinen durch technische Diagnose", PAPIER UND DRUCK, vol. 7, 1983, ALLGEMEINER TEIL, pages 100 - 104, XP002075846
- [AD] HERBERT STÖCKL UND HANS MAMBERER: "Kann Dublieren als Folge von Drehschwingungen auftreten?", DER POLYGRAPH, October 1974 (1974-10-01), pages 729 - 734, XP002168674

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

**EP 0829352 A2 19980318**; **EP 0829352 A3 19981125**; **EP 0829352 B1 20011107**; DE 19636987 A1 19980319; DE 19636987 C2 20000323; DE 59705254 D1 20011213; DE 59709591 D1 20030424; EP 1110730 A2 20010627; EP 1110730 A3 20010822; EP 1110730 B1 20030319; JP 2978136 B2 19991115; JP H1086342 A 19980407; US 5865120 A 19990202

DOCDB simple family (application)

**EP 97115305 A 19970904**; DE 19636987 A 19960912; DE 59705254 T 19970904; DE 59709591 T 19970904; EP 00128645 A 19970904; JP 24544197 A 19970910; US 92833297 A 19970912