Title (en)

APPARATUS FOR MONITORING THE THICKNESS OF AN OBJECT

Publication

EP 0225288 A3 19880330 (EN)

Application

EP 86810537 A 19861125

Priority

US 80269085 A 19851127

Abstract (en)

[origin: EP0225288A2] A thickness monitoring device wherein a linear variable differential transformer (LVDT) device is operatively coupled with a pinch roller mechanism so that variations in thickness which are detected as an object passes through the pinch roller mechanism are converted, by the LVDT device, to electrical signals which may be digitally processed to yield an accurate indication of thickness, and content. Such processed signals are used to control various machine functions in accordance with the thickness or content of the object which has passed through the pinch roller mechanism. Such a thickness monitoring device finds particular utility in connection with mail extraction equipment in that such a device enables the envelopes being processed to be accurately monitored so that the mail extraction operation can proceed in accordance with specific performance parameters.

IPC 1-7

B07C 1/16

IPC 8 full level

B07C 1/16 (2006.01); **B43M 7/02** (2006.01)

CPC (source: EP)

B07C 1/16 (2013.01); **B43M 7/02** (2013.01)

Citation (search report)

- [X] GB 1506232 A 19780405 - FORTH INSTR
- [X] US 4408487 A 19831011 - TANO MIKIO [JP]
- [X] WO 8201698 A1 19820527 - DE LA RUE SYST [GB], et al
- [X] EP 0025976 A2 19810401 - TOKYO SHIBAURA ELECTRIC CO [JP]
- [Y] US 4353197 A 19821012 - STEVENS ALBERT F, et al
- [A] US 3712468 A 19730123 - WENNER W, et al
- [A] US 2891667 A 19590623 - TRUVER LAURENCE W
- [ED] EP 0169145 A2 19860122 - OPEX CORP [US]
- [A] MESSEN + PR]FEN, vol. 19, no. 9, September 1983, pages 483-485, Bad Wörishofen; R. KR[MER "Mikroprozessorgesteuerter Zylinderkopf-Prüfautomat-Kernstück einer modernen Qualitätssicherung"

Cited by

US5727692A; EP0376496A3; US6135292A; EP0605065A1; US5655668A; US5704246A; US5238123A; EP0376481A3; EP0615212A3; EP0615213A3; WO9731727A1; WO9404378A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0225288 A2 19870610; **EP 0225288 A3 19880330**

DOCDB simple family (application)

EP 86810537 A 19861125