

Title (en)

Device for detecting inkjet print head malfunctioning in a franking machine

Title (de)

Anordnung zur Detektion einer Funktionsstörung eines Tintenstrahldruckkopfes für eine Frankiermaschine

Title (fr)

Dispositif pour détecter le mauvais fonctionnement d'une tête d'impression à jets d'encre d'une machine d'affranchissement

Publication

**EP 0714777 B1 19980902 (FR)**

Application

**EP 95402674 A 19951128**

Priority

FR 9414377 A 19941130

Abstract (en)

[origin: EP0714777A1] The printhead (3) has about 256 nozzles in a row about 3 cm long at right angles to the direction (D) of advance of the label (2) unreeled from a dispenser (4) on to an endless belt conveyor (1). Its control unit (5) sends a sequence of binary ones followed by a sequence of zeros over a parallel line (30) for printing of a uniform rectangular dot pattern ahead of an empty rectangle. Gaps in the pattern and spurious dots in the empty rectangle are detected by a photodetector array (6) performing a diagonal scan of each area.

IPC 1-7

**B41J 2/165**

IPC 8 full level

**B41J 2/165** (2006.01); **G07B 17/00** (2006.01)

CPC (source: EP)

**B41J 2/16579** (2013.01); **G07B 17/00508** (2013.01); **G07B 17/00467** (2013.01); **G07B 2017/00338** (2013.01); **G07B 2017/00532** (2013.01); **G07B 2017/00556** (2013.01); **G07B 2017/00637** (2013.01); **G07B 2017/00709** (2013.01)

Cited by

US6435642B1; US6350006B1; US6561612B2; EP1002655A3; EP1798039A1; EP2053562A1; EP1143385A1; EP1302906A1; FR2830649A1; EP2615585A1; US6276770B1; US7474762B2; US7668784B2; US7438378B2; US7878615B2; US6612676B1; EP1293936B1

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