

Title (en)

Method and apparatus for currency discrimination and counting

Title (de)

Verfahren und Vorrichtung zum Diskriminieren und Zählen von Währung

Title (fr)

Méthode et appareil destiné à la discrimination et au comptage de valeurs

Publication

EP 0706156 A3 19971022 (EN)

Application

EP 95116745 A 19910114

Priority

- EP 91903057 A 19910114
- US 47511190 A 19900205

Abstract (en)

[origin: WO9111778A1] An improved method and apparatus for discriminating between currency bills (17) of different denominations uses an optical sensing (18) and correlation technique based on the sensing of bill reflectance characteristics obtained by illuminating (22) and scanning a bill along its narrow dimension. A series of detected reflectance signals are obtained by sampling and digitally processing (30), under microprocessor control, the reflected light at a plurality of predefined sample points as a currency bill is moved across an illuminated strip (24) with its narrow dimension parallel to the direction of transport of the bill. The sample data is subjected to digital processing, including a normalizing process, whereby the reflectance data represents a characteristic pattern that is unique for a given bill denomination and incorporates sufficient distinguishing features between characteristic patterns for discriminating between different currency denominations.

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G07D 1/00; G07D 9/00

IPC 8 full level

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Citation (search report)

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- [Y] EP 0253935 A2 19880127 - LIGHT SIGNATURES INC [US]

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DOCDB simple family (application)

US 9100283 W 19910114; AU 5948394 A 19940414; AU 6428296 A 19960827; AU 7180691 A 19910114; CA 2050589 A 19910114; CA 2109791 A 19910114; CA 2156998 A 19910114; CA 2156999 A 19910114; DE 69125660 T 19910114; DE 69131078 T 19910114; EP 91903057 A 19910114; EP 95116745 A 19910114; EP 98115458 A 19910114; JP 50340591 A 19910114; JP 6482096 A 19960321; JP 6483196 A 19960321