

Title (en)
AUTOMATIC CURRENCY PROCESSING SYSTEM

Title (de)
SYSTEM ZUM AUTOMATISCHEN VERARBEITEN VON BANKNOTEN

Title (fr)
SYSTEME DE TRAITEMENT AUTOMATIQUE DE BILLETS DE BANQUE

Publication
EP 0830653 A4 19991027 (EN)

Application
EP 96915489 A 19960502

Priority
• US 9606257 W 19960502
• US 43392095 A 19950502

Abstract (en)
[origin: WO9636933A1] An apparatus for currency discrimination comprises first and second stationary scanheads (18a, 18b), disposed on opposite sides of a bill transport path, for scanning respective first and second opposing surfaces of a bill (17) traveling along the bill transport path and for producing respective output signals. The bill (17) travels along the transport path in the direction of a predetermined dimension of the bill (17). A memory (34) stores master characteristic patterns corresponding to associated predetermined surfaces of a plurality of denominations of genuine bills. Sampling circuitry (30, 32) samples the output signals associated with the respective first and second opposing surfaces of the scanned bill (17). A signal processor (30) is programmed to determine which one of the first and second opposing surfaces corresponds to the associated predetermined surfaces of the plurality of denominations of genuine bills. The processor (30) then correlates the output signal associated with the one of the first and second opposing surfaces corresponding to the associated predetermined surfaces with the master characteristic patterns to identify the denomination of the scanned bill (17).

IPC 1-7
G06K 9/00

IPC 8 full level
G06Q 20/00 (2006.01); **G06Q 20/18** (2012.01); **G07D 7/06** (2006.01); **G07D 7/12** (2006.01); **G07D 11/00** (2006.01); **G07D 13/00** (2006.01); **G07F 19/00** (2006.01)

CPC (source: EP)
G06Q 20/18 (2013.01); **G07D 7/06** (2013.01); **G07D 7/12** (2013.01); **G07D 11/10** (2018.12); **G07D 11/50** (2018.12); **G07F 19/20** (2013.01)

Citation (search report)
• [YDA] US 5295196 A 19940315 - RATERMAN DONALD E [US], et al
• [Y] US 4905840 A 19900306 - YUGE AKIO [JP], et al
• [A] US 5277651 A 19940111 - RASMUSSEN JAMES M [US], et al
• See references of WO 9636933A1

Designated contracting state (EPC)
DE FR GB

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WO 9636933 A1 19961121; AU 5725196 A 19961129; EP 0830653 A1 19980325; EP 0830653 A4 19991027

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US 9606257 W 19960502; AU 5725196 A 19960502; EP 96915489 A 19960502