

Title (en)
Document recognition apparatus

Title (de)
Vorrichtung zum Erkennen von Dokumenten

Title (fr)
Appareil pour la reconnaissance de documents

Publication
EP 0889446 A2 19990107 (EN)

Application
EP 98304999 A 19980625

Priority
GB 9714083 A 19970704

Abstract (en)
Document recognition apparatus for banknotes (1) utilises bar codes which are printed in fluorescent ink on the face of banknotes (1). The bar codes are read by transporting the notes past a reading station (4) where an ultra-violet lamp (5) illuminates the notes (1) and causes any barcoded information printed on them to fluoresce and be detected by a photodiode (9) sensitive to the wavelength of the fluorescence. To ensure that the barcode is read irrespective of which way up a note is transported, and irrespective of which edge of the note leads, additional reading stations may be provided. To help read old and dirty notes, as well as to detect forgeries, the output of the photodiode may be fed to a neural network.

IPC 1-7
G07D 7/00

IPC 8 full level
G07D 7/00 (2006.01); **G07D 7/12** (2006.01); **G07D 7/20** (2006.01)

CPC (source: EP US)
G07D 7/0043 (2017.04 - EP US); **G07D 7/12** (2013.01 - EP US)

Cited by
EP1151870A1; EP1434176A1; EP1918887A1; EP1434177A3; US7212948B2; WO0241264A1; EP3147873B1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0889446 A2 19990107; **EP 0889446 A3 19990113**; GB 9714083 D0 19970910; JP H1186072 A 19990330; ZA 985827 B 20000110

DOCDB simple family (application)
EP 98304999 A 19980625; GB 9714083 A 19970704; JP 18871598 A 19980703; ZA 985827 A 19980702