

Title (en)

Method and device for generating and checking security imprints

Title (de)

Verfahren und Anordnung zur Erzeugung und Überprüfung eines Sicherheitsabdruckes

Title (fr)

Procédé et dispositif pour générer et vérifier un motif destiné à la sécurité

Publication

EP 0660270 B1 20041229 (DE)

Application

EP 94250259 A 19941019

Priority

DE 4344471 A 19931221

Abstract (en)

[origin: EP0660270A2] An arrangement for generating and checking a security imprint consists of a franking machine with a microprocessor in a control unit (6), which microprocessor performs an encoding in the form of marking pixel image data and which inserts these into the remaining fixed and variable pixel image data during the printing operation. The method comprises steps for forming a series of marking symbols from an encoded combination number which is composed of at least one first number (the sum of all the postage values since the last reloading date), a third number (postage value) and a fourth number (from the serial number), and makes it possible for a postal authority to check the security imprint, manipulations being detected by the inclusion of further data stored and/or computed at the data centre. A checking arrangement (29) has a marking reader (24) consisting of a CCD line-scan camera (241), D/A converter (243), comparator (242) and encoder (244) which are connected to an input means (25) via an input/output unit (245). In order to evaluate marking data by means of a computer (26), storage means (28) and output means (27), the input means (25) is connected to the data centre. <IMAGE>

IPC 1-7

G07B 17/04

IPC 8 full level

G07B 17/00 (2006.01); **G07B 17/04** (2006.01)

CPC (source: EP US)

G07B 17/00193 (2013.01 - EP US); **G07B 17/00435** (2013.01 - EP US); **G07B 17/00508** (2013.01 - EP US); **G07B 17/00733** (2013.01 - EP US); **G07B 2017/00161** (2013.01 - EP US); **G07B 2017/00258** (2013.01 - EP US); **G07B 2017/00443** (2013.01 - EP US); **G07B 2017/0058** (2013.01 - EP US); **G07B 2017/00588** (2013.01 - EP US); **G07B 2017/00604** (2013.01 - EP US); **G07B 2017/00645** (2013.01 - EP US); **G07B 2017/00701** (2013.01 - EP US); **G07B 2017/00709** (2013.01 - EP US); **G07B 2017/00741** (2013.01 - EP US); **G07B 2017/0075** (2013.01 - EP US); **G07B 2017/0079** (2013.01 - EP US); **G07B 2017/0083** (2013.01 - EP US)

Cited by

EP0768625A3; EP0926630A2; EP1035516A2; US9818249B1; US8186593B2; US8308068B2; EP1035517A2; EP1035518A2

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0660270 A2 19950628; **EP 0660270 A3 19950906**; **EP 0660270 B1 20041229**; DE 4344471 A1 19950817; DE 59410399 D1 20050203; DE 59410458 D1 20081002; EP 1113403 A1 20010704; EP 1118964 A1 20010725; EP 1118964 B1 20080820; US 5680463 A 19971021; US 5712916 A 19980127; US 5734723 A 19980331; US 5970151 A 19991019; US 5991409 A 19991123

DOCDB simple family (application)

EP 94250259 A 19941019; DE 4344471 A 19931221; DE 59410399 T 19941019; DE 59410458 T 19941019; EP 01250022 A 19941019; EP 01250023 A 19941019; US 30998694 A 19940920; US 74374096 A 19961107; US 74703096 A 19961107; US 86606597 A 19970530; US 89817497 A 19970722