

Title (en)

Antifalsification paper protected against faking and tampering.

Title (de)

Gegen Fälschungen und Verfälschungen geschütztes Sicherheitspapier.

Title (fr)

Papier de sécurité protégé contre les falsifications.

Publication

EP 0031161 A1 19810701 (DE)

Application

EP 80108071 A 19801219

Priority

DE 2951486 A 19791220

Abstract (en)

[origin: US4496961A] A check paper is being described which is protected against falsifications and forgeries. Crushable micro capsules are being embedded in check paper which contain on one hand a leuco ink and on the other hand a color acceptor. The color acceptor can also be stored in the body of the paper without the use of micro capsules. The leuco ink and the color acceptor react together under color development or color changes if the micro capsules burst through imprinting or other local pressure application to the paper surface. Thus, a character written on the paper surface becomes visible within the body of the paper and cannot be forged anymore.

Abstract (de)

Es wird ein Sicherheitspapier beschrieben, das in seinem Inneren zerquetschbare Mikrokapseln enthält, die einen Leukofarbstoff (1) und gegebenenfalls einen Farbakzeptor (2) enthalten. Beim Zerquetschen der Leukokapseln reagiert der Leukofarbstoff mit dem Farbakzeptor unter Farbbildung oder -änderung. Ein Unterschriftszug kann auf diese Weise unverfälschbar im Inneren der Papiermasse sichtbar gemacht werden.

IPC 1-7

D21H 5/10

IPC 8 full level

B44F 1/12 (2006.01); **D21H 21/46** (2006.01)

CPC (source: EP US)

D21H 21/46 (2013.01 - EP US); **Y10S 428/916** (2013.01 - EP US); **Y10S 462/903** (2013.01 - EP US); **Y10T 428/24835** (2015.01 - EP US); **Y10T 428/24851** (2015.01 - EP US); **Y10T 428/31993** (2015.04 - EP US)

Citation (search report)

- US 2288147 A 19420630 - SMITH BURGESS W
- US 4037007 A 19770719 - WOOD WILLIAM ALBERT
- DE 2600781 A1 19770714 - LINDSELIUS BERNDT AAKE
- DE 1267961 B 19680509 - MINNESOTA MINING & MFG
- DE 1290799 B 19690313 - MINNESOTA MINING & MFG

Cited by

DE3314244A1; GB2307487A; GB2307487B; WO9630811A3

Designated contracting state (EPC)

AT BE CH FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0031161 A1 19810701; **EP 0031161 B1 19830126**; AT E2346 T1 19830215; DE 2951486 A1 19810702; DE 2951486 C2 19820616; US 4496961 A 19850129; US 4629630 A 19861216

DOCDB simple family (application)

EP 80108071 A 19801219; AT 80108071 T 19801219; DE 2951486 A 19791220; US 37668182 A 19820510; US 60510784 A 19840430