

Title (en)

Security paper made tamper-proof and/or authenticatable by way of thermochromism, and process for its preparation.

Title (de)

Durch Thermochromie fälschungssicheres und/oder auf seine Echtheit zu prüfendes Sicherheitspapier und sein Herstellungsverfahren.

Title (fr)

Papier de sécurité infalsifiable et/ou authentifiable par thermochromie et son procédé de préparation.

Publication

EP 0243285 A1 19871028 (FR)

Application

EP 87420103 A 19870421

Priority

FR 8606144 A 19860424

Abstract (en)

1. Security paper, tamperproof because of an irreversible colour reaction and/or authenticatable because of a reversible colour, containing a water-soluble combination of crystal violet lactone (I) of formula see diagramm : EP0243285,P12,F1 and of an aliphatic organic acid containing a short hydrocarbon chain.

Abstract (fr)

- Papeterie. - Le papier de sécurité infalsifiable et/ou authentifiable conforme à l'invention contient une association soluble dans l'eau de cristal violet lactone (I) de formule : <IMAGE> et d'un acide organique aliphatique à courte chaîne hydrocarbonée. - Application aux papiers de sécurité.

IPC 1-7

D21H 5/10; B44F 1/12

IPC 8 full level

B42D 15/00 (2006.01); **B44F 1/12** (2006.01); **D21H 21/46** (2006.01); **D21H 21/48** (2006.01)

CPC (source: EP)

B42D 25/29 (2014.10); **D21H 21/46** (2013.01); **D21H 21/48** (2013.01)

Citation (search report)

- [XD] GB 1507454 A 19780412 - WIGGINS TEAPE LTD
- [XD] FR 2279570 A1 19760220 - PORTALS LTD [GB]
- [AD] DE 1228972 B 19661117 - KARLHEINZ KOENIG DR
- [YD] JOURNAL OF IMAGING TECHNOLOGY, vol. 11, no. 5, octobre 1985, pages 224-228, Society of Photographic Scientists and Engineers, Springfield, Virginia, US; J.E. ASSNER: "Leuco color formers, modern imaging materials"

Cited by

EP0608078A1; US6159585A; WO9630811A3; DE102009017444A1; WO2010119089A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 87420103 A 19870421; DE 3760455 T 19870421; ES 87420103 T 19870421; FR 8606144 A 19860424; PT 8473687 A 19870422