

Title (en)

Data carrier with a liquid crystal security element

Title (de)

Datenträger mit einem Flüssigkristall-Sicherheitselement

Title (fr)

Support d'information avec élément de sécurité à cristaux liquides

Publication

**EP 0435029 B2 20030102 (DE)**

Application

**EP 90123341 A 19901205**

Priority

DE 3942663 A 19891222

Abstract (en)

[origin: EP0435029A2] Data carriers protected against forgery attempts using colour copiers, such as an identity card or a security, which include an optically variable security element of a liquid crystal material. This security element, such as for example a security thread, has a layer similar to plastic of a liquid crystal polymer, which exhibits a pronounced iridescence at room temperature. The plastic-like properties of the liquid crystal polymers permit easy processing to form a semi-finished or finished product, so that very diverse types of security elements can be produced.  
<IMAGE>

IPC 1-7

**B44F 1/12; B42D 15/10**

IPC 8 full level

**B42D 15/10** (2006.01); **B42D 25/00** (2014.01); **B42D 25/355** (2014.01); **B44F 1/02** (2006.01); **B44F 1/12** (2006.01); **G07F 7/08** (2006.01)

CPC (source: EP US)

**B42D 25/00** (2014.10 - EP); **B42D 25/355** (2014.10 - EP); **B42D 25/364** (2014.10 - US); **G07F 7/086** (2013.01 - EP); **B42D 2033/26** (2022.01 - EP)

Cited by

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