

Title (en)
Data carrier and its method of production

Title (de)
Datenträger und Verfahren zu seiner Herstellung

Title (fr)
Support de données et sa méthode de fabrication

Publication
EP 0718121 A2 19960626 (DE)

Application
EP 95120144 A 19951220

Priority
DE 4445822 A 19941221

Abstract (en)
[origin: JPH08248864A] PROBLEM TO BE SOLVED: To provide a data carrier, from which no real feature cannot be duplicated or copied, such as an identity card, a credit card. SOLUTION: The first diffusible light scattering property is arranged at least in a partial area 5 in a plastic layer according to the surface characteristic of the plastic layer. In the area 5, the surface characteristic, which is formed by a laser means, is locally changed into a shape 3 so as to be provided with the second diffusible light scattering property, and in this area 5, the first information is applied, so that information can be read at least by a certain angle of a field of view without any chromatic reference with the periphery.

Abstract (de)
Die Erfindung betrifft einen Datenträger (1), wie eine Ausweiskarte, Kreditkarte oder dergleichen, mit wenigstens einer Kunststoffschicht, die zumindest in einem Teilbereich aufgrund ihrer Oberflächenbeschaffenheit erste diffus lichtstreuende Eigenschaften aufweist. In diesen Bereich werden mittels eines Lasers Informationen (4) in Form von lokalen Änderungen der Oberflächenbeschaffenheit vorgesehen, die zweite diffus lichtstreuende Eigenschaften aufweisen, so daß die Informationen (4) zumindest unter einem bestimmten Betrachtungswinkel lesbar sind, aber keinen farblichen Kontrast zu ihrer Umgebung aufweisen. <IMAGE>

IPC 1-7
B42D 15/10

IPC 8 full level
B42D 15/10 (2006.01); **B42D 25/00** (2014.01); **B42D 25/41** (2014.01); **B42D 25/43** (2014.01); **G03H 1/18** (2006.01); **G06K 19/06** (2006.01); **G06K 19/10** (2006.01)

CPC (source: EP US)
B42D 25/00 (2014.10 - EP US); **B42D 25/24** (2014.10 - EP); **B42D 25/324** (2014.10 - EP US); **B42D 25/333** (2014.10 - EP); **B42D 25/351** (2014.10 - EP); **B42D 25/41** (2014.10 - EP US); **B42D 25/425** (2014.10 - EP); **B42D 25/43** (2014.10 - EP US); **B42D 25/435** (2014.10 - EP); **B42D 25/45** (2014.10 - EP); **B42D 2033/24** (2022.01 - EP); **B42D 2035/30** (2022.01 - EP); **Y10T 428/24802** (2015.01 - EP US); **Y10T 428/24868** (2015.01 - EP US); **Y10T 428/24876** (2015.01 - EP US); **Y10T 428/24934** (2015.01 - EP US)

Cited by
CN109291684A

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

DOCDB simple family (publication)
EP 0718121 A2 19960626; **EP 0718121 A3 19960724**; **EP 0718121 B1 19990602**; AT E180720 T1 19990615; DE 4445822 A1 19960627; DE 59506095 D1 19990708; DK 0718121 T3 19991115; ES 2131750 T3 19990801; JP 3902257 B2 20070404; JP H08248864 A 19960927; US 5958528 A 19990928; ZA 9510839 B 19960620

DOCDB simple family (application)
EP 95120144 A 19951220; AT 95120144 T 19951220; DE 4445822 A 19941221; DE 59506095 T 19951220; DK 95120144 T 19951220; ES 95120144 T 19951220; JP 33363295 A 19951221; US 57503495 A 19951219; ZA 9510839 A 19951220