

Title (en)

MAGNETIC METALLIC SECURITY THREAD WITH NEGATIVE INSCRIPTION.

Title (de)

MAGNETISCHER, METALLISCHER SICHERHEITSFÄDEN MIT NEGATIVSCHRIFT.

Title (fr)

FIL DE SECURITE METALLIQUE MAGNETIQUE AVEC UNE ECRITURE NEGATIVE.

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Application

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Abstract (en)

[origin: DE4041025A1] The invention relates to a security document, especially a bank note, identity card or the like, with a security component provided with symbols, images, etc. readable at least by transmitted light and which is electrically conductive and has additional substances for checking by machine, and a process for producing such a security component. The security component preferably consists of a transparent film strip with a negative inscription which can easily be checked visually and also has electrically conductive and magnetic materials.

Abstract (fr)

La présente invention se rapporte à un document de sécurité, en particulier un billet de banque, carte d'identité ou analogue, comportant un élément de sécurité, lequel est doté de signes, dessins etc. visuellement lisibles au moins en éclairage à contre-jour et lequel est électriquement conducteur et présente des matières supplémentaires pour le contrôle mécanisé, ainsi qu'à un procédé pour la fabrication d'un tel élément de sécurité. L'élément de sécurité consiste de préférence en une bande de film transparente présentant une écriture négative visuellement bien vérifiable et étant dotée en outre de matières électriquement conductrices et magnétiques.

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B42D 15/00

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See references of WO 9211142A1

Cited by

DE102015007238A1; DE102015007238B4; AT500908A1; EP1488935A3; EP1334844A1; WO2012153106A1; WO2009027771A1; WO2021023395A1; WO2011004190A2; WO2021023394A1; WO2013017865A1; EP1972462A2; DE102007055112A1; EP2463438A1; US8550340B2; EP1698748A1; WO2009090676A1; US7728931B2; US8883273B2; DE102008032224A1; EP1714795A1; US8490879B2; DE102009010770A1; WO03061980A1; EP2269837A1; US8622435B2; EP2055501A2; DE102021000478A1; WO2022161737A1; DE102007052477A1; WO2005075215A2; US7830627B2; US8027093B2; EP2631085A1; US8927072B2; US8960544B2; WO2016192858A1; EP1488935A2; WO03002355A1; WO9825236A1; EP1630751A2; EP2273455A2; EP2273456A2; WO2011051682A1; WO2011061495A1; DE102015007233A1; WO2016192854A1; EP3738785A1; WO2020229271A1; US11932044B2; EP2138318B2

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