

Title (en)
COLOURED SECURITY DOCUMENT INDIVIDUALIZATION

Title (de)
FARBIGE SICHERHEITSDOKUMENTINDIVIDUALISIERUNG

Title (fr)
INDIVIDUALISATION COLORÉE DE DOCUMENTS DE SÉCURITÉ

Publication
EP 2183116 A1 20100512 (DE)

Application
EP 08785547 A 20080808

Priority
• EP 2008006695 W 20080808
• DE 102007037981 A 20070810

Abstract (en)
[origin: WO2009021737A1] The invention relates to a method and a device (41) for the coloured individualization of security documents (42) and to security documents (42) having a document body (43) for coloured individualization. In the case of such a document body (43), starting materials are kept inside it, which starting materials can be excited by means of a localized energy input in a targeted manner for formation of nanoparticles (21; 49) of different shapes and/or different local concentrations, wherein a colour impression of the nanoparticles is dependent on their shape and/or their concentration. For the individualization of a security document (42) having such a document body (43), energy is locally introduced in a targeted manner at a location at which a coloured colour impression is intended to be brought about in the document body (43), in order to store an individualizing information item about the colour impression brought about. The device (41) for individualization comprises an energy source by means of which energy can be introduced in a targeted manner into the document body (43) in a controlled manner.

IPC 8 full level
B41M 3/14 (2006.01); **B41M 5/26** (2006.01)

CPC (source: EP)
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See references of WO 2009021737A1

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