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(12) UK Patent Application (19) GB (11) 2511463 (13) A  
(43) Date of Reproduction by UK Office 03.09.2014

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(21) Application No: 1411053.0  
(22) Date of Filing: 13.12.2012  
Date Lodged: 20.06.2014  
(30) Priority Data:  
    (31) 2011101684 (32) 22.12.2011 (33) AU  
(86) International Application Data:  
    PCT/AU2012/001520 En 13.12.2012  
(87) International Publication Data:  
    WO2013/090983 En 27.06.2013

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(51) INT CL:  
    B41M 3/14 (2006.01) B42D 25/29 (2014.01)  
    B42D 25/324 (2014.01) B42D 25/373 (2014.01)  
    B42D 25/378 (2014.01) B42D 25/405 (2014.01)  
    C09D 11/00 (2014.01)

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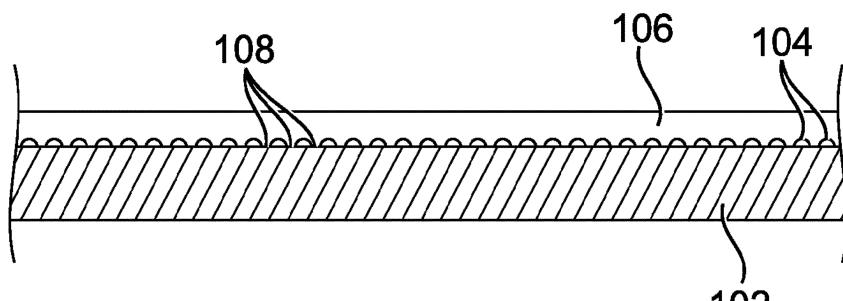
(58) Field of Search:  
    INT CL B32B, B41M, B42D, B44C, D21H, F21K, G03H,  
    G06K  
    Other: eKOMPASS

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(54) Title of the Invention: **Optical security device with nanoparticle ink**  
Abstract Title: **Optical security device with nanoparticle ink**

(57) An optical security device, including a substrate (102) having a first surface and a second surface; and a metallic nanoparticle ink (104) provided intermittently in at least one area on the first surface (102) to produce a reflective or partially reflective patch or patches; wherein a high refractive index coating (106) is applied over the area or areas (108) in which the metallic nanoparticle ink is provided, the high refractive index coating (106) adhering to the first surface (102) where the metallic nanoparticle ink is not present, thereby retaining the metallic nanoparticle ink (104) between the first surface (102) and the high refractive index coating (106).



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