

Title (en)

VERIFYING A SECURITY DOCUMENT ON THE BASIS OF DROPLET MORPHOLOGIES

Title (de)

PRÜFUNG EINES SICHERHEITSDOKUMENTS AUF BASIS VON TRÖPFCHENMORPHOLOGIE

Title (fr)

VÉRIFICATION D'UN DOCUMENT DE SÉCURITÉ SUR LA BASE DE MORPHOLOGIES DE GOUTTELETTES

Publication

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Application

EP 20799683 A 20201028

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Abstract (en)

[origin: WO2021083951A1] The invention concerns a method for verifying a document. The method comprises: - receiving (302) a document (500, 700) having a document body (506) with an inkjet print of an image (502, 600) by means of a testing unit (800). The image contains first regions (414.1, 414.2) that contain inkjet droplets of a dye-based ink (216) and second regions (412.1, 412.2) that contain a pigment-based ink (214). The first regions are free of the pigment-based ink and the second regions are free of the dye-based ink. The pigment-based ink is not distinguishable from the dye-based ink under visible light. - recording (304) a test image portraying at least the inkjet print (502); - performing (306) an image analysis comprising: · capturing (308) the morphology of the inkjet droplets; and · reconstructing (310) a digital graphical pattern (404) from the test image on the basis of the droplet morphology; - comparing (312) the reconstructed graphical pattern with a reference value in order to verify the authenticity of the document.

IPC 8 full level

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