Title (en)

DEVICE AND METHOD FOR VERIFYING THE AUTHENTICITY OF A DOCUMENT OF VALUE OR SECURITY DOCUMENT

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ECHTHEITSÜBERPRÜFUNG EINES WERT- ODER SICHERHEITSDOKUMENTS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE CONTRÔLE EN TEMPS RÉEL D'UN DOCUMENT DE VALEUR OU DE SÉCURITÉ

Publication

EP 2976755 A1 20160127 (DE)

Application

EP 14712261 A 20140320

Priority

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- EP 2014055579 W 20140320

Abstract (en)

[origin: WO2014147166A1] The invention relates to a method and a device for verifying the authenticity of a document of value or security document, in which said device (1) comprises at least one first alternating voltage source, one first transformer (3a), and at least one first electrode (4a), and in which said first transformer (3a) is electrically connected to the first alternating voltage source on the input side and to the first electrode (4a) on the output side. An output voltage with a first amplitude and an excitation frequency can be generated by means of the first alternating voltage source, the output voltage can be transformed by means of the first transformer (3a) into an excitation voltage with a second amplitude, the first electrode (3a) generates an electric excitation field as a function of this excitation voltage, and the first transformer (3a) and first electrode (4a) are designed such that a resonant frequency of a resonant circuit, which comprises at least one secondary inductor of the first transformer (3a) and a capacitor of the first electrode (4a), is greater than or equal to 80 kHz.

IPC 8 full level

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See references of WO 2014147166A1

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Designated extension state (EPC)

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DOCDB simple family (publication)

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