Title (en)
AUTHENTIFICATION OF AN RFID-TAG USING ASYMETRIC KEY CRYPTOGRAPHY

Title (de)
AUTHENTIFIKATION EINES RFID-TAGS MIT EINEM ASYMMETRISCHEN KRYPTOGRAPHIEVERFAHREN

Title (fr)
AUTHENTIFICATION D'UNE ÉTIQUETTE RFID UTILISANT CRYPOGRAPHIE ASYMETRIQUE

Publication
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Application
EP 10712919 A 20100323

Priority
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Abstract (en)
[origin: WO2010136230A1] The object of the present invention is to specify a method for the authentication of an RFID tag using an asymmetric cryptography method which ensures protection against the recycling of authentication RFID tags and needs no deactivation of the corresponding RFID tag for this purpose. To this end, the certificate of an RFID tag to be checked is not stored on said RFID tag but is stored physically separately from said RFID tag. Firstly, the RFID reader reads the certificate of the RFID tag to be checked before the challenge-response protocol is carried out successfully with the RFID tag to be checked. Consequently, an RFID tag can be reused for authentication only when the certificate relating to this RFID tag is known.

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