

Title (en)

USE OF A PUF FOR CHECKING AUTHENTICATION, IN PARTICULAR FOR PROTECTING AGAINST UNAUTHORIZED ACCESS TO A FUNCTION OF AN IC OR A CONTROL DEVICE

Title (de)

VERWENDEN EINER PUF ZUR PRÜFUNG EINER AUTHENTISIERUNG, INSBESONDERE ZUM SCHUTZ VOR UNBERECHTIGTEM ZUGRIFF AUF EINE FUNKTION EINES ICS ODER STEUERGERÄTES

Title (fr)

EMPLOI D'UNE FONCTION PUF POUR LA VÉRIFICATION D'UNE AUTHENTIFICATION, EN PARTICULIER POUR LA PROTECTION CONTRE UN ACCÈS NON AUTORISÉ À UNE FONCTION D'UN ICS OU D'UN APPAREIL DE COMMANDE

Publication

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Application

EP 13753119 A 20130813

Priority

- DE 102012219112 A 20121019
- EP 2013066875 W 20130813

Abstract (en)

[origin: WO2014060134A2] In order to check authentication using a physical unclonable function (6), an authenticator (3) comprises a PUF (6) and an authentication checking function (5). A challenge response pair (4A) comprising an item of challenge information (C) and an item of response information (R) is provided for the authenticator (3). The challenge information (C) is used as an input for the PUF (6) which generates a PUF response (PR) in response to the input of the challenge information (C). The PUF response (PR) and the response (R) are used for a comparison, wherein an enable signal (A) is provided on the basis of a result of the comparison.

IPC 8 full level

H04L 9/32 (2006.01); **G01R 31/3187** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2014060134A2

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