

Title (en)  
AUTHENTICATION METHOD

Title (de)  
VERFAHREN ZUR AUTHENTIFIKATION

Title (fr)  
PROCEDE D'AUTHENTIFICATION

Publication  
**EP 1078139 A2 20010228 (DE)**

Application  
**EP 99927720 A 19990426**

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Abstract (en)  
[origin: WO9955991A2] The invention relates to a method which enables an authentication of a first instance (key) with regard to a second instance (lock). To this end, a first component of a sequence of numbers are transmitted from the lock to the key, said numbers being determined by means of an iterated one-way function. Using a trap door, the precedent component is established from the key, and is sent back to the lock. The lock tests whether the precedent component is correct. If this is the case, the key is successfully authenticated with regard to the lock. Otherwise, the authentication is not carried out.

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