

Title (en)
AUTHENTICATION SYSTEM, METHOD FOR AUTHENTICATING AN OBJECT, APPARATUS FOR PRODUCING AN IDENTIFICATION DEVICE,
METHOD FOR PRODUCING AN IDENTIFICATION DEVICE

Title (de)
AUTHENTIFIZIERUNGSSYSTEM, VERFAHREN ZUR AUTHENTIFIZIERUNG EINES OBJEKTS, VORRICHTUNG ZUR ERZEUGUNG EINER
IDENTIFIKATIONSEINRICHTUNG, VERFAHREN ZUR ERZEUGUNG EINER IDENTIFIKATIONSEINRICHTUNG

Title (fr)
SYSTÈME D'AUTHENTIFICATION, PROCÉDÉ D'AUTHENTIFICATION D'UN OBJET, DISPOSITIF POUR PRODUIRE UN DISPOSITIF
D'IDENTIFICATION, PROCÉDÉ DE PRODUCTION D'UN DISPOSITIF D'IDENTIFICATION

Publication
EP 2548153 A1 20130123 (DE)

Application
EP 10712723 A 20100316

Priority
EP 2010053380 W 20100316

Abstract (en)
[origin: WO2011113478A1] The present application is concerned with an authentication system for authenticating at least one object. The authentication system comprises: - a capture device (40) for capturing at least one biometric output data record (BD) for the object; - a reading device (50, 60) for reading configuration data (Konf), associated with the object, for an artificial neural network; - a processing device (32) which is designed to produce the artificial neural network and to input the biometric output data record (BD) into the neural network; - a verification device (33) which captures an output from the neural network in order to authenticate the object, wherein the neural network is a bidirectional associative memory, particularly a Hopfield network, having a multiplicity of network states and the verification device (33) is designed to determine the output from the neural network by capturing a final state derived from the input of the biometric output data record (BD). A fundamental concept of the present invention is the use of a neural network to store a key associated with a particular person, wherein said key is released only when appropriate biometric data are input into the neural network.

IPC 8 full level
G06K 9/00 (2006.01); **G06F 21/00** (2013.01); **G06F 21/32** (2013.01)

CPC (source: EP US)
G06F 21/32 (2013.01 - EP US); **G06N 3/02** (2013.01 - US); **G06V 40/1353** (2022.01 - EP US); **G06V 40/1365** (2022.01 - EP US);
G07C 9/257 (2020.01 - EP US); **G07C 2209/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2011113478A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
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