Title (en)

METHOD FOR CLASSIFYING AN OBJECT

Title (de)

VERFAHREN ZUR KLASSIFIZIERUNG EINES OBJEKTS

Title (fr)

PROCÉDÉ DE CLASSIFICATION D'UN OBJET

Publication

EP 2399226 A1 20111228 (DE)

Application

EP 10722291 A 20100209

Priority

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Abstract (en)

[origin: WO2010094261A1] The invention relates to a method for identifying and classifying an object, consisting of the following steps: an object is detected by at least one physical detector which is adjusted to said object; at least one object is determined from the output signal of the at least one detector and an evaluation device; the object is identified and/or classified using predetermined properties provided by the output signal; a plurality of different physical characteristics are derived from the output signal for the object. The method is characterised in that the object is associated with at least one base class which is predetermined by N, based on the derived physical characteristics; the N base classes are arranged in a predetermined sequence in the form of an N-dimensional vector V which is associated with the object, the elements V1,...,VN of the vector V indicating whether the object belongs to the respective base class; and the object is associated, in accordance with the vector V, with a derived class which is obtained from a reference data base.

IPC 8 full level

G06K 9/62 (2006.01)

CPC (source: EP US)

G06F 16/27 (2018.12 - EP US); **G06F 18/256** (2023.01 - EP US)

Citation (search report)

See references of WO 2010094261A1

Citation (examination)

DUDA, HART, STORK: "Pattern Classification", 1 January 2000, pages: 431, 432, 436

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DOCDB simple family (publication)

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DOCDB simple family (application)

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