Title (en)
METHOD AND APPARATUS FOR DETERMINING A CLASS REFERENCE DATA RECORD FOR CLASSIFYING DOCUMENTS OF VALUE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG EINES KLASSENREFERENZDATENSATZES FÜR DIE KLASSIFIZIERUNG VON WERTDOKUMENTEN

Title (fr)
PROCÉDÉ ET DISPOSITIF DE DÉTERMINATION D'UN ENSEMBLE DE DONNÉES DE RÉFÉRENCE DE CLASSE, POUR LA CLASSIFICATION DE DOCUMENTS DE VALEUR

Publication
EP 2656328 A1 20131030 (DE)

Application
EP 11801982 A 20111214

Priority
• DE 102010055974 A 20101223
• EP 2011006319 W 20111214

Abstract (en)
[origin: WO2012084145A1] A method for determining a class reference data record for classifying documents of value, particularly bank notes, is proposed. The method has the following steps: a class reference image is created using a multiplicity of reference images of already classified documents of value in the same class; and a class reference data record having at least one class reference parameter is created using the class reference image. In this case, the pixel and intensity values of the respective pixel in the class reference image are a function of the pixel values of the relevant pixels in the multiplicity of reference images of already classified documents of value in the same class. For classifying documents of value, the method has the following further steps: at least one quantitative property of a document of value that is to be classified is determined; and the document of value that is to be classified is classified on the basis of a comparison between the quantitative property of the document of value that is to be classified and the class reference data record. A further subject of the invention is an appropriate apparatus (10).

IPC 8 full level
G07D 7/20 (2006.01)

CPC (source: EP US)
G06F 16/285 (2018.12 - EP US); **G07D 7/206** (2017.04 - EP US); **G07D 7/2075** (2013.01 - EP US)

Citation (search report)
See references of WO 2012084145A1

Citation (examination)
US 2007154079 A1 20070705 - HE CHAO [GB], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012084145 A1 20120628; CN 103392194 A 20131113; DE 102010055974 A1 20120628; EP 2656328 A1 20131030; RU 2013134132 A 20150127; RU 2562758 C2 20150910; US 2013311477 A1 20131121; US 9690841 B2 20170627

DOCDB simple family (application)
EP 2011006319 W 20111214; CN 201180068389 A 20111214; DE 102010055974 A 20101223; EP 11801982 A 20111214; RU 2013134132 A 20111214; US 201113996708 A 20111214